

Appendix G

Phase I Environmental Site Assessment



PHASE I ENVIRONMENTAL SITE ASSESSMENT

FIRE STATION NO. 2

SEASIDE, MONTEREY COUNTY, CALIFORNIA

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LIST OF ACRONYMS

AAI	All Appropriate Inquiries
AOC	Area of Concern
AST	Aboveground storage tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risks
CREC	Controlled Recognized Environmental Conditions
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Phase I Environmental Site Assessment
HREC	Historical Recognized Environmental Conditions
LLP	Landowner Liability Protections
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank
NPL	National Priority List
REC	Recognized Environmental Condition
SQG	Small Quantity Generator
TSDf	Treatment, Storage and Disposal
USGS	United States Geological Survey
UST	Underground storage tank
VDEQ	Virginia Department of Environmental Quality
VEC	Vapor Encroachment Condition
VES	Vapor Encroachment Screening
VSQG	Very Small Quantity Generators

1.0 EXECUTIVE SUMMARY

Kimley-Horn and Associates, Inc. (Kimley-Horn) was retained by the City of Seaside (the “Client”) to conduct a Phase I Environmental Site Assessment (ESA) for the future Fire Station No. 2 on the city-owned northwest corner of Gigling Road and 1st Avenue, described as an approximately 4-acre portion of Assessor Parcel Number (APN) 031-151-012 in the City of Seaside, Monterey County, California (referred to herein as the “Site”). This Phase I ESA was performed in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries (AAI), 40 CFR Part 312 and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process/Designation E 1527-21* (ASTM Standard Practice E 1527-21). The ESA was conducted under the supervision or responsible charge of Cassie Bretschger, Environmental Professional.

The Phase I ESA summary is provided below. Specific details were not included or fully developed in this section, and the Phase I ESA must be reviewed in its entirety for a comprehensive understanding of the results. This report represents our services as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the Site’s current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after property renovation or development). Further, these services are not to be construed as legal interpretation or advice.

Viability of this report is subject to ASTM E1527-21 Sections 4.6 and 4.8. This Phase I ESA is presumed viable for up to 180 days from the first date the component listed in Section 4.6 of the ASTM Standard Practice E1527-21 were conducted, which is October 5, 2023.

Component	Date
Interviews	Multiple
Review of Government Records	April 5, 2023
Visual Inspection	April 20, 2023
Declaration by Environmental Professional	May 15, 2023

Subject Property Description and Use

The Site is approximately 4-acres and a part of a greater APN 031-151-012. The Site is located at the northwest corner of the Gigling Road at 1st Avenue intersection. The property is undeveloped and vacant with mature trees and shrubs scattered throughout the larger APN, with the majority of the property open unimproved area. There are overhead electrical lines fronting Gigling Road (southern property boundary). Gigling Road and 1st Street along the properties southern and eastern frontage are paved streets, having no curb and gutter. An existing dirt road/trail off Gigling Road bisects the property into a western and eastern portion, which is west of the 4-acre portion of the Site.

Historical Information

Based on review of aerial imagery and historical data, the Site has been vacant and not developed since at least 1949. There are no indications from aerial photographs of material storage, stockpiles, buildings/structures, or operations within the Site; however, in 1956 the aerial photograph includes a dirt roads or path of travel based on surface coloration within the photo.

The surrounding site is developed with residential and commercial operations including Cal State University at Monterey Bay (CSUMB) as detailed within Section 5.2. Additionally, the Site is associated with the former Fort Ord military base, which operated by the U.S. Army from 1917 and encompasses over 28,000 acres. The surrounding area includes buildings, airfields, testing areas etc. in association with military operations. As described in section 5.3.1, both soil and groundwater are contaminated with differing hazardous substances and petroleum products.

Records Review

Table 1.0-2 Summary of Record Review Dates	
Records Reviewed	Date of Review
Historical Aerials	April 20, 2023
Topographic Maps	April 20, 2023
City Directories	April 20, 2023
Sanborn Fire Insurance Maps	April 20, 2023
Site Reconnaissance	April 20, 2023

Site Reconnaissance

The site is vacant and undeveloped land with densely covered vegetation. Power lines are observed along the southern boundary of the property along Gigling Road. Within the southeast portion of the Site an approximately 13-foot by 7.5-foot concrete platform with indications of former signage was observed.

At the time of inspection, the property was marked with survey flags denoting underground utilities with orange flags representing communication lines and yellow flags representing natural gas lines.

Evidence for storage and/or use of hazardous materials was not identified at the Site during the Site inspection. There were no site observations indicative of a REC at this time.

Opinions and Conclusions

Kimley-Horn has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E1527-21 for the approximately 4-acre subject property located at Gigling Road and 1st Avenue, in the City of Seaside, Monterey County.

This assessment has revealed no evidence of recognized environmental conditions (RECs) associated with the Site.

This assessment has revealed no evidence of Controlled RECs (CRECs) associated with the Site except the following:

Activity and Use Limitations (AUL) was identified in association with Site and larger APN. Limitations included notifications for the presence of contaminated groundwater, presence of munitions and explosives of concern (MEC), rare, threatened and endangered species management, and right to access land for environmental activities under a CERLA covenant.

Based on review historical records, the property is within the "Consultation Zone" for the "Special Groundwater Protection Zone", which is defined for areas surrounding the "Prohibition Zone" for contaminated groundwater. The Prohibition Zone includes areas with known groundwater impacts and any extraction or groundwater may be intrusive within one of the four contamination plumes associated within former Fort Ord.

As addition of a groundwater well or future use of groundwater is not planned for the proposed redevelopment for the Fire Station No. 2, the CREC is not considered to impact future

development. If redevelopment plans change to include groundwater wells onsite, consultation with the US EPA, DTSC and RWQCB will be required.

This assessment has revealed no evidence of Historical RECs (HRECs) associated with the Site.

If during grading or redevelopment, evidence for soil contamination is identified such as staining or odors, the potential presence of an undocumented buried structures or piping are identified, further evaluations and soil sampling would be recommended.

2.0 INTRODUCTION

2.1 SUBJECT PROPERTY OVERVIEW

Table 2.1 Subject Property Overview	
Site Name	City of Seaside Fire Station No. 2
Site Location/Address	Northwest corner of Gigling Road at 1 st Avenue intersection
Land Area	Approximately 4 acres
Legal Description	The subject property consists of an approximately 4-acre portion of a larger 29-acre parent parcel containing (APN: 031-151-012)
Site Improvements	Overall site conditions include mature trees and shrubs throughout the property, with three dirt road access points from Gigling Road. No curb or gutter are observed along the property frontage along Gigling Road or 1st Avenue; however, there are overhead electrical lines fronting Gigling Road.

The site vicinity location is depicted on Figure 1. The subject property and adjoining properties are depicted on the Aerial Map, **Figure 2**. Figures are included in **Appendix A**. Photographs of the subject property are included in **Appendix B**.

2.2 PURPOSE AND SCOPE OF SERVICES

This Phase I ESA was performed in general accordance with (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries {(AAI), 40 CFR Part 312} and (2) guidelines established by the American Society for Testing and Materials (ASTM) in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process/Designation E 1527-21* (ASTM Standard Practice E 1527-21).

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs), *controlled recognized environmental conditions* (CRECs) and *historical recognized environmental conditions* (HRECs) in connection with the subject property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs, CRECs and HRECs in connection with the subject property.

Additionally, this Phase I ESA was designed to assist the client in developing information to identify RECs in connection with the subject property as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual, noninvasive reconnaissance of the subject property and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-21 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-21, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the Site.

2.3 USER RELIANCE

This Phase I ESA report represents the product of Kimley-Horn's expertise and judgment in the environmental consulting industry. This report is certified to, can be relied upon by, and has been prepared for the exclusive use of the following entities: Kimley-Horn and Associates, Inc. (Kimley-Horn); and the City of Seaside, and their respective successors, assigns, affiliates, and subsidiaries. Kimley-Horn acknowledges that these parties may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, Kimley-Horn makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party.

Reliance on the Phase I ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal with Kimley-Horn and Associates, Inc. Standard Provisions and the Phase I ESA report. The limitation of liability defined in the Standard Provisions is the aggregate limit of Kimley-Horn's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-21 Sections 4.6 and 4.8. If the Phase I ESA will be used by a different user (third party) than the user for whom the Phase I ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-21.

2.4 SIGNIFICANT ASSUMPTIONS

Pursuant to ASTM Standard Practice E 1527-21, Kimley-Horn assumes that the information provided by all sources and parties, including the User, is accurate and complete, except where obvious inconsistencies or inaccuracies were identified.

2.5 LIMITATIONS, DEVIATIONS, AND SPECIAL TERMS AND CONDITIONS

There were no deviations from the ASTM Standard during the preparation of this report. Any physical limitations identified during the completion of this report are referenced in Section 4.0.

This Phase I ESA is presumed viable for up to 180 days from the first date the component listed in Section 4.6 of the ASTM Standard Practice E1527-21 were conducted, which is October 5, 2023.

Based upon the agreed-on scope of services, this Phase I ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e., evaluation of the presence of vapors within a building structure), or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder.

- Kimley-Horn reviewed reasonably ascertainable records to identify obvious uses of the subject property from the present, back to 1949 provided by EDR. Records dating back to 1940 were not available other than records obtained providing documentation for the former Fort Ord history. This constitutes a data failure, which is a type of data gap; however, the data gap is not considered significant because other information did not raise reasonable concerns involving the data gap. Standard and other historical sources were able to document that the site has not been developed since at least 1949.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the

report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

3.0 USER PROVIDED INFORMATION

The ASTM Standard defines a User as “the party seeking to use Practice E 1527-21 to complete an environmental site assessment of the subject property. A User may include, without limitation, a potential purchaser of subject property, a potential tenant of subject property, an owner of the subject property, a lender, or a property manager.” The User has specific obligations for completing a successful application of this practice as outlined in Section 6 of the ASTM Standard Practice E 1527-21.

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfield’s Revitalization Act of 2001 (the “Brownfield’s Amendments”), the User must provide certain information (if available) identified in the User Questionnaire to the Environmental Professional (EP). Failure to provide this information could result in a determination that “all appropriate inquiry” is not complete.

3.1 USER QUESTIONNAIRE

Kimley-Horn provided the Client with an ASTM User Questionnaire for them to communicate this User provided information to Kimley-Horn. A copy of the User questionnaire is included in **Appendix C** and the answers to this questionnaire have been incorporated into this report as appropriate.

3.2 RECORDED LAND TITLE RECORDS

A 50-year chain of title search was not conducted for the subject property by Kimley-Horn. Furthermore, the User did not provide Kimley-Horn with a 50-year chain of title. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report. As such, this is considered a limiting condition; however, based on the other data reviewed for the subject property, it is not considered a significant data gap.

3.3 ENVIRONMENTAL LIENS, ACTIVITY AND USE LIMITATIONS, AND GOVERNMENT INSTITUTIONAL AND ENGINEERING CONTROLS

An Environmental Lien/Activity and Use Limitations Search was produced by EDR and was reviewed as part of this Phase I ESA (**Appendix D**). The title and property is vested to the Redevelop Agency City of Seaside data December 28, 2006. No liens were associated with the subject property; however, AULs were identified. Land use limitation was found along with notifications presence of contaminated groundwater, presence of munitions and explosives of concern (MEC), rare, threatened and endangered species management, and right to access land for environmental activities under a CERLA covenant. In addition, the documents confirmed that the APN is conveyed “as is, where is” condition. The AUL in association with the Site is considered a CREC.

4.0 SITE RECONNAISSANCE

Information contained in this section is based on a visual reconnaissance conducted while walking through the subject property and the accessible interior areas of structures, if any, located on the subject property. The subject property and adjoining properties are depicted on the Site Plan, which is included in Figure 2 of **Appendix A**. Photo documentation of the subject property at the time of the visual reconnaissance is provided in **Appendix B**.

As described below, Kimley-Horn completed site reconnaissance on April 20, 2023, which was conducted by Cassie Bretschger. The Fire Station No. 2 boundary for field survey was approximate and for conservative measures, the entire southeastern portion of the property was inspected inclusive of the approximately 4-acre future Fire Station Number 2. No access constraints were identified during inspection; however, dense vegetation covered a majority of the Site.

The inspection followed a pattern of moving from east to west across the Site. Kimley-Horn staff accessed the Site via existing access roads, and walked throughout the Site areas that were not accessible via access roads. Table 4.1 includes items that were visually reviewed for the presence or absence of within the Site.

Table 4 Summary of General Site Information				
Site Reconnaissance				
Field Personnel	Cassie Bretschger			
Date	April 20, 2023			
Weather Conditions	Partly cloudy			
Subject Property Contact/Title	None			
Building Description				
Building/Improvement Id	Building Use	Year Built	Number of Stories	Approx Sq FT
None	--	--	--	--

4.1 SITE OBSERVATIONS

The site is vacant and undeveloped land with densely covered vegetation. Power lines are observed along the southern boundary of the property along Gigling Road. Within the southeast portion of the Site an approximately 13-foot by 7.5-foot concrete platform with indications of former signage is observed.

At the time of inspection, the property was marked with survey flags denoting underground utilities with orange flags representing communication lines and yellow flags representing natural gas lines.

Evidence for storage and/or use of hazardous materials was not identified at the Site during the Site inspection. There were no site observations indicative of a REC at this time.

The following table summarizes the subject property observations. Affirmative responses are discussed in more detail following the table.

Table 4.1 Summary of Site Observations		
Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	No
	Elevators	No
	Air compressors	No
	Hydraulic lifts	No
	Dry cleaning	No
	Photo processing	No
	Ventilation hoods and/or incinerators	No
	Waste treatment systems and/or water treatment systems	No

Table 4.1 Summary of Site Observations		
Category	Item or Feature	Observed or Identified
	Heating and/or cooling systems	No
	Paint booths	No
	Sub-grade mechanic pits	No
	Wash-down areas or carwashes	No
	Pesticide/herbicide production or storage	No
	Printing operations	No
	Metal finishing (e.g., electroplating, chrome plating, galvanizing, etc.)	No
	Salvage operations	No
	Oil, gas or mineral production	No
	Other processes or equipment	No
Aboveground Chemical or Waste Storage	Aboveground storage tanks	No
	Drums, barrels and/or containers ≥ 5 gal	No
	MSDS or SDS	No
Underground Chemical or Waste Storage, Drainage or Collection Systems	USTs or ancillary UST equipment	No
	Sumps, cisterns, French drains, catch basins and/or dry wells	No
	Grease traps	No
	Septic tanks and/or leach fields	No
	Oil/water separators, clarifiers, sand traps, triple traps, interceptors	No
	Pipeline markers	Yes
	Interior floor drains	No
Electrical Transformers/PCBs	Transformers and/or capacitors	No
	Other equipment	No
Releases or Potential Releases	Stressed vegetation	No
	Stained soil	No
	Stained pavement or similar surface	No
	Leachate and/or waste seeps	No
	Trash, debris and/or other waste materials	No
	Dumping or disposal areas	No
	Construction/demolition debris and/or dumped fill dirt	No
	Surface water discoloration, odor, sheen, and/or free-floating product	No
	Strong, pungent or noxious odors	No
	Exterior pipe discharges and/or other effluent discharges	No
Other Notable Site Features	Surface water bodies	No
	Quarries or pits	No
	Wastewater lagoons	No
	Wells	No

4.2 CURRENT OPERATIONS

The site is undeveloped and vacant with current ownership of the property is listed to the Redevelopment Agency of the City of Seaside. Overall site conditions include mature trees and shrubs throughout the property, with three dirt road access points from Gigling Road within the areas outside of the future Fire Station No. 2 boundary. No curb or gutter are observed along the property frontage along Gigling Road or 1st Avenue; however, there are overhead electrical lines fronting Gigling Road.

4.3 ADJOINING PROPERTIES

The following section provides information about the adjoining properties obtained during the subject property reconnaissance and through review of reasonably ascertainable information. Visual observations of adjoining properties (from subject property boundaries) are summarized below.

Table 4.3 Summary of Adjoining Properties		
Direction	Description	REC/BER
North	The subject property is bounded to the north by undeveloped vegetation followed by Lightfighter Drive. Fort Ord Parcels S3.2.1, S4.1.2.1, and E15.1	Kimley-Horn has not identified any of these properties as a REC based on their current uses. Parcels S.4.2.1 and E15.1 both have land use covenants for groundwater. This is identified as a CREC.
East	The subject property is bounded to the east by 1 st Avenue followed by commercial uses (Ord Community Commissary, Central Coast Federal Credit Union, Habitat for Humanity ReStore Monterey). Fort Ord Parcels F2.3.2 and F 2.3	Kimley-Horn has not identified any of these properties as a REC based on their current uses. These parcels have no land use controls.
South	The subject property is bounded to the south by Gigling Road followed by single-family residential development. Fort Ord Parcels F2.2 and E20b	Kimley-Horn has not identified any of these properties as a REC based on their current uses. These parcels have no land use controls
West	The subject property is bounded to the west by undeveloped vegetation followed by Cabrillo Highway, and Fort Ord Dunes State Park. Fort Ord Parcels S4.1.2.1	Kimley-Horn has not identified any of these properties as a REC based on their current uses. Parcels S.4.2.1 have a land use covenants for groundwater. This is identified as a CREC

Fort Ord Parcels were evaluated based on Monterey County Resource Management Agency database: [Fort Ord Land Use Covenants \(arcgis.com\)](https://arcgis.com)

5.0 RECORDS REVIEW

5.1 PHYSICAL SETTING

The following is a summary of the physical setting of the subject property.

Table 5.1 Summary of Physical Setting of the Subject Property		
Physical Setting Information		Source
Topography		
Site Elevation	Approximately 173 feet above mean sea level	United States Geological Survey Division (U.S.G.S.) 7.5-Minute Topographic Map of the Seaside Quadrangle, (2018) (Appendix E)
Topographic Gradient/ Surface Water Runoff	General WNW	
Closest Surface Water	Surface water release indicator not reported	
Soil Characteristics		
Soil Type; Description	One soil type on the subject property: Oceano loamy sand, with 2 to 15 percent slopes, Class A- high infiltration rates with deep soils well drained to excessively drained sands and gravel, moderate corrosion potential	United States Department of Agriculture, Soil Survey: https://websoilsurvey.nrcs.usda.gov/app/ , accessed April 20, 2023.
Geology/Hydrogeology		
Geologic Formation	Quaternary- Cenozoic	P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

5.2 HISTORICAL RECORDS REVIEW

Kimley-Horn reviewed reasonably ascertainable records provided by Lightbox to identify obvious uses of the subject property from the present, back to 1949. Records dating back to 1940 were not available. This constitutes a data failure, which is a type of data gap; however, the data gap is not considered significant because other information and/or personal experience did not raise reasonable concerns involving the data gap. Standard and other historical sources were able to document that the site has not been developed since at least 1949.

Readily available historical USGS topographic maps, city directories (at approximately 5-year intervals), selected historical aerial photographs (at approximately 10 to 15-year intervals), city directories, and historical fire insurance maps produced by the Sanborn Map Company were requested from Lightbox (formerly EDR) to evaluate past uses and relevant characteristics of the subject property and surrounding properties. Based upon the inquiries to the above-listed Sanborn provider, Sanborn maps were not available for this subject property.

Reviewed historical topographic maps, city directories, and aerial photographs are summarized below. The sources and years reviewed are identified below. Topographic maps, city directories, aerial photographs, and Sanborn maps are included in **Appendix D**.

- Topographic map: Seaside and Marina Quadrangles, dated 2018, 2015, 2012, 1983, 1974, 1968, 1948, 1947, 1941, 1913 (USGS 7.5 Minute Quadrangle)
- City Directories: 2020, 2017, 2014, 2010, 2005, 2000, 1995, 1992, 1987, 1982, 1977, 1972, 1969, 1964, 1959
- Aerial photographs: 2020, 2016, 2012, 2009, 2005, 1998, 1987, 1981, 1974, 1968, 1956, 1949
- Sanborn Fire Insurance Maps: No fire insurance maps are available for the subject property.

Direction	Description
Subject property	The subject property is and has been since at least 1949 vacant with undisturbed land with natural vegetation. Trails appear to have been present in 1949 and 1956 but fade over time.
North	The area to the north of the subject property is vacant with undisturbed land with natural vegetation. Cabrillo Highway is visible since 1949 but was paved sometime between 1956 and 1968.
East	The area to the east of the subject property was vacant with undisturbed land until sometime between 1968 and 1974 when commercial uses (currently the Ord Commissary and other retail uses) was developed along with associated roadway infrastructure.
South	The area to the south of the subject property was vacant with undisturbed land until sometime between 1949 and 1956 when single family residences and Gigling Road were constructed. Between 1956 and 1968 additional single-family residences and associated roadway and recreational uses were developed.
West	The area to the west of the subject property has been vacant with undisturbed land, except for a trail running north/south.

The city directories used in this study were made available through EDR (selected years reviewed: 1943-2020) and were reviewed at approximate five-year intervals, if readily available (**Appendix D**). City directories indicate the subject property was occupied as recently as 2020. There were no RECs identified during the review of the City Directories.

5.3 REGULATORY RECORDS REVIEW

An environmental database search for the subject property and the surrounding area was performed by Lightbox (formerly EDR), a contract information services company, using ASTM E1527-21 standard radii. The purpose of the records review was to identify RECs in connection with the subject property. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated, and the scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases. A copy of the EDR Radius Map Report with GeoCheck is attached in its entirety in **Appendix E**.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the subject property. The groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the subject property cannot be directly ascertained.

5.3.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate subject property boundaries. Database definition, descriptions, and the database search report are included in **Appendix E**.

Table 5.3-1 Summary of Federal and State Database Results		
Regulatory Agency Database	Search Distance (Miles)	Number of Sites
Federal Databases		
National Priority List (NPL)	1	1
Proposed NPL	1	0
NPL Liens	1	0
Delisted NPL	1	0
Federal Facility	0.5	0
Superfund Enterprise Management System (SEMS)	0.5	1
SEMS-ARCHIVE	0.5	0
Corrective Action Report (CORRACTS)	1	1
RCRA - Treatment, Storage and Disposal (RCRA-TSDF)	0.5	1
RCRA - Large Quantity Generators (RCRA-LQG)	0.25	1
RCRA - Small Quantity Generators (RCRA-SQG)	0.25	0
RCRA - Very Small Quantity Generators (RCRA-VSQG)	0.25	0
Land Use Control Information System (LUCIS)	0.5	0
Engineering Controls Sites List (US ENG CONTROLS)	0.5	1
Institutional Controls Sites List (US INST CONTROLS)	0.5	1
Emergency Response Notification System (ERNS)	Subject Property	Not Reported
State Databases		
Solid Waste Facilities/Landfill Sites (SWF/LF)	0.5	0
Leaking Underground Storage Tank Sites (LUST)	0.5	0
Leaking Petroleum Storage Tanks (LTANKS)	0.5	0
FEMA Underground Storage Tank Listing (UST)	0.25	0
Registered Petroleum Storage Tanks (AST)	0.25	0
Engineering Controls Sites Listing (ENG CONTROLS)	0.5	1
Voluntary Remediation Program (INST CONTROL)	0.5	1
Voluntary Cleanup Program (VCP)	0.5	0
Brownfields Site Specific Assessments (Brownfields)	0.5	0

In addition to the above ASTM-required listings, Kimley-Horn reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in **Appendix E**.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for select facilities in the vicinity of the subject property. Kimley-Horn’s review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby facilities. To evaluate which of the adjoining and nearby facilities identified in the regulatory database report present an environmental risk to the subject property, Kimley-Horn considered the following criteria:

- The type of database on which the adjoining/nearby property is identified.
- The topographic position of the property relative to the subject property.
- The direction and distance of the identified facility from the subject property.
- Local soil conditions in the subject property area.
- The known and/or inferred groundwater flow direction in the subject property area.
- The status of the respective regulatory agency-required investigations and/or cleanup associated with the identified facility.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified facility and the subject property.

Only those facilities that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated and discussed below. The facility(ies) discussed below are listed in order of distance from the subject property.

Facility Name and Location	Estimated Distance / Direction/Gradient	Database Listings	Is a REC, CREC, or HREC to the Subject Property
Fort Ord	1 ft.	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG, US ENG	CREC
Mission Memorial Park and Seaside Funeral Home	1081, 0.205, SSE	CUPA Listing	--
6 Army Rd	1424, 0.270, South	Notify 65	--
Fort Ord State Park	3482, 0.659, NW	ENVIROSTOR, DEED	CREC

Fort Ord and Fort Ord State Park are listed within the EDR databases report within the Site boundary. The larger facility is also listed on the Envirostor website (<https://www.envirostor.dtsc.ca.gov/> accessed April 28, 2023), as an active site as of May 1, 1986. According to Envirostor, For Ord was operated by the U.S. Army from 1917 and encompasses over 28,000 acres. Both soil and groundwater are contaminated with hazardous substances, wastes and munition including industrial solvents, heavy metals, pesticides, polycyclic aromatic hydrocarbons (PAHs), explosives residue and munitions and explosives of concern. All surface and subsurface contamination, with the exception of a groundwater plume, are located within the former base boundary.

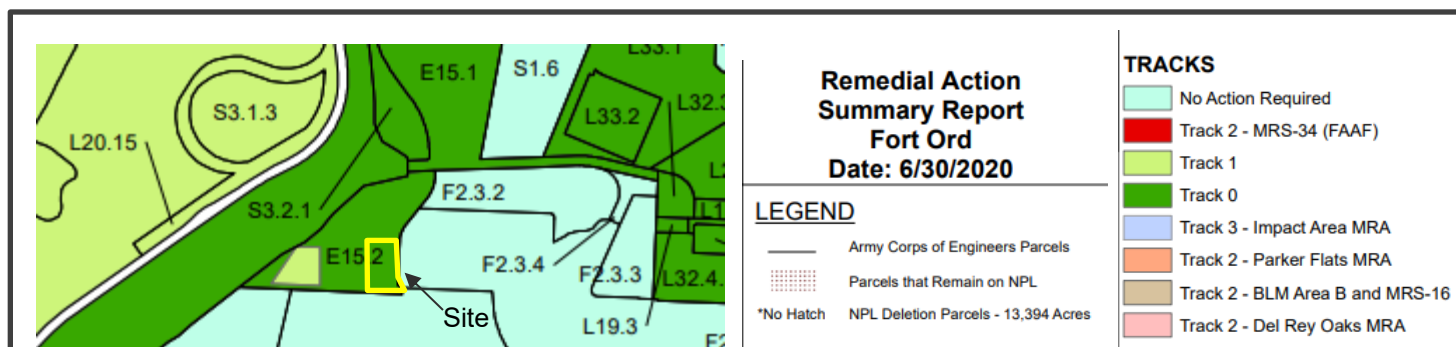
In 1990, a Federal Facility Agreement (FFA) was signed by the Army, U.S. EPA, the Department of Toxic Substances Control (DTSC) and California Regional Water Quality Control Board (RWQCB) inclusive that the former Fort Ord is listed as a National Priorities List (NPL) due to the above mentioned contaminated of concern. In 1991, former Fort Ord was selected for closure under the Base Realignment and Closure (BRAC) Act, and it was officially closed in 1994. The properties were broken into different operable units (OU) and parcel numbers based on historical use and need for assessment.

The Site and larger APN inclusive of the Site is listed as parcel E15.2, which has been determined to have no Land Use Covenants for soil or groundwater based on review of the Fort Ord Land Use Covenant Map from Monterey County GIS database; however, the property is considered to be located within Consultation Zone for groundwater protection with AUL.

In 2000, the Army, U.S. EPA and DTSC signed an agreement to evaluate munitions and explosives of concern (MEC) at the former Fort Ord. The Military Response Program addresses munitions response sites (MRS) that contain or potentially contain MEC. The MRS were divided into four categories identified as Track 0, Track 1, Track 2 and Track 3. based on the previous munition's activities, investigations and known munitions usage. The Site is listed as apart of Track 1 with portions of the adjacent use within the same APN in Track 0.

Additionally, parcel E15.2 was transferred to Fort Ord Reuse Authority (FORA) on July 25, 2006, under Finding of Suitability to Transfer (FOST) 9 (Track 0 Plug-in "C" and Track 1 Parcels). Receipt of the transfer and FOST include documentation of previous literature reviews, and military munitions sampling events to identify that the property is not indicative of for past training involving military munitions or chemical contamination. A copy of FOST 9 is included in **Appendix F**.

Parcel E15.2 was listed as one of the parcels to be included within the NPL Deletion Parcels from the May 15, 2020, Fort Ord Update within The Remedial Action Summary completed by the U.S. Army Corp of Engineers (Army Corp, 2020). The graphic below is a summary highlighting the Site as part of Track 0 parcel. A copy of the complete graphic is included in **Appendix F**.



“Track 0 Areas contain no evidence of MEC and have never been suspected as having been used for military munitions-related activities of any kind. The Track 0 Record of Decision (ROD) was signed in 2002 and requires no action regarding munitions response for the Track 0 areas...”

While not included within the Site but inclusive of the same APN, one Track 1 area was included. Track 1 Sites are defined as “areas where military munitions were suspected to have been used, but no further action is required because investigation has shown the suspected training did not occur; the training did not involve explosive items; or training at these sites involved only the use of practice and/or pyrotechnic items which are not designed to cause injury. The Track 1 ROD was signed in 2005 and included 21 MRSs...The "no further action" remedy allows unrestricted use, therefore, Track 1 is not required to be evaluated in five-year reviews”.

Given the distance to the Site, ongoing remediation for former Fort Ord property, the defined plumes outside of the Site boundary, and FOST determination, this Site is not a REC for the Site.

Additional Sites Reviewed

6 Army Road (1,800 gallon) and Building 100 (900 gallon) is located approximately 0.270 miles southeast of the Site. One listing for a Notify 65 database is reported with no additional information provided. This database record is not an environmental concern for the subject Site.

Mission Monterey Park and Seaside Funeral Home, located at 3301 Monterrey Building 4463 (approximately 0.205 miles southeast of the Site) is listed for a CUPA Listings databased for hazardous materials registration. The property is no longer in use and is not an environmental concern.

5.4 OTHER ENVIRONMENTAL RECORDS

Kimley-Horn reviewed information from the following agencies:

- EPA's Enforcement & Compliance History Online (ECHO)
- EPA's NEPAAssist Database
- USGS National Water Information System Database (NWIS)

Kimley-Horn reviewed the U.S. EPA's Environmental Compliance History Online (ECHO) and NEPAAssist database for records of regulated facilities on and surrounding the subject property. The subject property was not identified in the ECHO as a regulated facility. No violations were issued associated with this listing. There were no regulated facilities noted with significant violations in the vicinity of the subject property.

Kimley-Horn reviewed the USGS NWIS database for records of well construction permit (WCP) wells on the subject property. Review of the available documentation did not identify public supply wells on the subject property.

5.5 VAPOR EVALUATION

The ASTM E 1527-21 document standardizes the terms release and migration consistent with those used in CERCLA and AAI. As such, potentially harmful vapors must be evaluated during the completion of a Phase I ESA.

Kimley-Horn performed a Tier 1 Vapor Encroachment Screening (VES) in accordance with E2600-15 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions* (2015) with the purpose of identifying if a Vapor Encroachment Condition (VEC) exists in association with the subject property. A VEC is defined as the presence or likely presence of contaminants of concern (COC) vapors in the subsurface of the subject property caused by a release of hazardous substances and/or petroleum compounds into soil and groundwater. Current and historical uses were evaluated within the Area of Concern (AOC) during the completion of the Tier 1 VES. As indicated in ASTM 2600-15, the radial distance of the AOC for non-petroleum hydrocarbon COCs (i.e., chlorinated VOCs) is 1/3-mile (1,760 ft.) and 1/10 mile (528 ft.) for petroleum hydrocarbons.

Table 5.5 Summary of Sites Identified

Site Identified	Address	Approximate Distance from Site	Chlorinated Solvent (CS) or Petroleum (P) Site	Information
Fort Ord	Former Army Base Fort Ord	<1/10N	Yes	<p>Fort Ord was established in 1917 as a maneuver area and field artillery target range for units then stationed at the Presidio of Monterey. Its primary mission now is training. Industrial operations at Fort Ord include vehicle maintenance areas, a battery charging/repair facility, photographic processing laboratories, spray painting operations, a plastics shop, laundry/dry cleaning facilities, vehicle wash racks, and a small arms repair shop. Chemicals and hazardous wastes were managed and disposed of at Fort Ord. According to tests conducted by the Army in 1986, elevated levels of contaminants were detected in off-base ground water. The contamination is emanating from the base and may be contaminating the drinking water supplies of the City of Marina; however, the exact location of the source has not yet been identified. The contaminants include carbon tetrachloride, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, and trans-1,2-dichloroethylene. An estimated 38,600 people obtain drinking water from wells within 3 miles of hazardous substances on the fort. Ground water is also used for irrigation. In addition, soil and ground water are contaminated at the Fire Drill Area, where approximately 600 gallons of petroleum products have been spilled. Fort Ord has identified at least 18 other contamination problems. Fort Ord is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP, the Army is implementing a sampling plan to investigate ground water contamination. The Army is treating contaminated soil and ground water at nearby Airfield Fire Drill Area.</p>

In accordance with ASTM E2600-10 (Tier 1) (Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions); there is one potential petroleum hydrocarbon and/or VOC sources for vapor intrusion within the study area of the Site; however, based on our review of available data, the potential risk for vapor intrusion is low.

The former Fort Ord site encompass thousands of acres with known groundwater impacts in surrounding areas, as such the VES returned this property as a concern for the Site. Based on the review of site-specific information detailed in Section 5.3.1, the depth to groundwater wells in surrounding area of the Site ranging from 140-feet to 950-feet below ground surface, and future redevelopment for a commercial/industrial property, soil vapor migration is not considered a REC at this time.

The Tier I VES does not include vapor intrusion and/or indoor air quality considerations associated with existing and/or proposed structures. No vapor sampling was conducted in association with this VES and the subject property.

¹ Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions

5.6 BUILDING DEPARTMENT/PROPERTY APPRAISER INFORMATION

According to records reviewed from the Monterey County Property Appraiser's website, the subject property Parcel ID No. 031-151-012-000 is owned by the Redevelopment Agency of the City of Seaside.

5.7 PRIOR REPORTS

Kimley-Horn was not provided any previous environmental reports for review.

6.0 INTERVIEWS

The objective of completing interviews with knowledgeable subject property contacts is to obtain information about the uses and physical characteristics of the property. The following individuals were interviewed regarding the current and historical use of the subject property.

Interviews

The subject property is owned by the City of Seaside. Kimley-Horn has discussed the property with multiple City representatives including Sheri Damon, City Attorney and Nisha Patel, Public Works Director and City Engineer. Based on interviews Kimley-Horn assumes the following:

- The property was transferred under a Quitclaim Deed to the City and has not been developed.
- The property is currently planned for future development of the City’s Fire Station No. 2.
- Only a portion of the parcel will be developed, which defined the review area for this Phase I ESA.

6.1 STATE AND/OR LOCAL AGENCY INQUIRES

Table 6.1 Summary of State and/or Local Agency Inquires		
Agency Contacted/	Contact Method/Date	Response
Department of Toxic Substance Control	Emailed 4/10/2023	The Department of Toxic Substance Control provided a report on April 11, 2023, responding to a request for records that stated they were unable to locate an address in the county database using the APNs as the database does not include this information. The online database system, Envirostor, was reviewed and information pertaining to the Site is documented within Section 5.3.1. of this report.
County of Monterey Health Department	Submitted on county website 4/10/2023	A request for Public Records Request was submitted online through the Health Department website. A response was received on April 18, 2023, indicating that no UST’s/AST’s/Hazardous Materials files for the Site were found.
Monterey County Environmental Health Bureau	Emailed 4/10/2023	A request for file review was emailed and identified that no records pertaining to USTs, ASTs, or hazardous materials were located for the property.
State Regional Water Quality Control Board	Emailed 4/10/2023 and 6/5/2023	The RWQCB provided an email on June 6, 2023 responding to the request for records stating “property is located within the former Fort Ord boundary but appears to be outside of any current or historical cleanup case” and that additional details to check additional online databases. The RWQCB’s online database system, Geotracker, was reviewed and information pertaining to the Site is documented within Section 5.3.1. of this report.
FORA ESCA Remediation Program	Database Search 4/28/2023	The only listing pertaining to the Site was a memorandum associated with FOST 9.

Copies of the records received, or agency notification documentation is included in **Appendix G**. All information reviewed from online databases is included in **Appendix F**.

7.0 FINDINGS AND OPINIONS

This Phase I ESA included a review of local, state and federal environmental record sources, standard historical sources, aerial photographs, topographic maps; a site reconnaissance of the Site to review current conditions and use.

Historical Use Summary

The subject property is located at the northwest corner of the Gigling Road at 1st Avenue intersection. The site is undeveloped and vacant. There are mature trees and shrubs scattered throughout the greater APN, with the majority of the property open unimproved area.

Based on review of aerial imagery and historical data, the Site has been vacant and not developed since at least 1949. There are no indications from aerial photographs of material storage, stockpiles, buildings/structures, or operations within the Site; however, in the 1956 aerial photograph dirt roads or path of travel were observed based on surface discoloration within the photo.

Records Review

A review of regulatory databases maintained by county, state, tribal, and federal agencies identified documentation of surrounding soil, groundwater, and potential vapor impacts associated with the past use of former Fort Ord property; however, are not directly associated with the Site.

The Site is a part of the former Fort Ord base, which has been under environmental review with multiple jurisdictions including DTSC, RWQCB, EPA, BRAC, and FORA since 1986. The Site is listed as parcel E15.2 for reference within former Fort Ord documentation review and was included in FOST 9 dated July 25, 2006. FOST 9 included Track 0 and Track 1 parcels from the Military Response Programs based on historical review and testing. The property is considered to be located within Consultation Zone for groundwater protection with an AUL.

Since the past documented impacts have been quantified and use limitations in place, they are not considered an environmental concern at the time of reporting. No documentation of violations or spills were reviewed in association with the Site.

Site Inspection

The site is vacant and undeveloped land with densely covered vegetation. Power lines are observed along the southern boundary of the property along Gigling Road. At the time of inspection, the property was marked with survey flags denoting underground utilities, and a concrete pad were observed.

9.0 CONCLUSIONS

Kimley-Horn has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527-21 for the Fire Station No. 2 Site, identified as approximately 4-acre Site within northwest corner of the Gigling Road at 1st Avenue intersection apart of larger property APN: 031-151-012. Any exceptions to, or deletions from, this practice are described in Section 2.5 of this report. This assessment has revealed the following controlled recognized environmental conditions (CRECs), and/or significant data gaps in connection with the subject property.

This assessment has revealed no evidence of recognized environmental conditions (RECs) associated with the Site.

This assessment has revealed no evidence of CRECs associated with the Site except the following:

An AUL was identified in association with Site and larger APN. Limitations included notifications for the presence of contaminated groundwater, presence of munitions and explosives of concern (MEC), rare, threatened and endangered species management, and right to access land for environmental activities under a CERLA covenant. This AUL for the property is considered a CREC as there are use limitations associated with groundwater for the Site.

As addition of a groundwater well or future use of groundwater is not planned for the proposed redevelopment for the Fire Station No. 2, the CREC is not considered to impact future development. If redevelopment plans change to include groundwater wells onsite, consultation with the US EPA, DTSC and RWQCB will be required.

This assessment has revealed no evidence of Historical RECs (HRECs) associated with the Site.

In addition, the following Business Environmental Risks (BERs) were identified in association with the subject property: overhead utilities which may interfere with future redevelopment of the property.

No significant data gaps were identified during the preparation of this report, which would impact conclusions for the report; however, a user questionnaire was not returned prior to reporting, and multiple responses from agency requests were not received.

If during grading or redevelopment, evidence for soil contamination is identified such as staining or odors, the potential presence of an undocumented buried structures or piping are identified, further evaluations and soil sampling would be recommended.

9.0 DECLARATION

9.1 STATEMENT OF COMPLIANCE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312 and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Environmental Professional resume(s) are included in **Appendix H**.

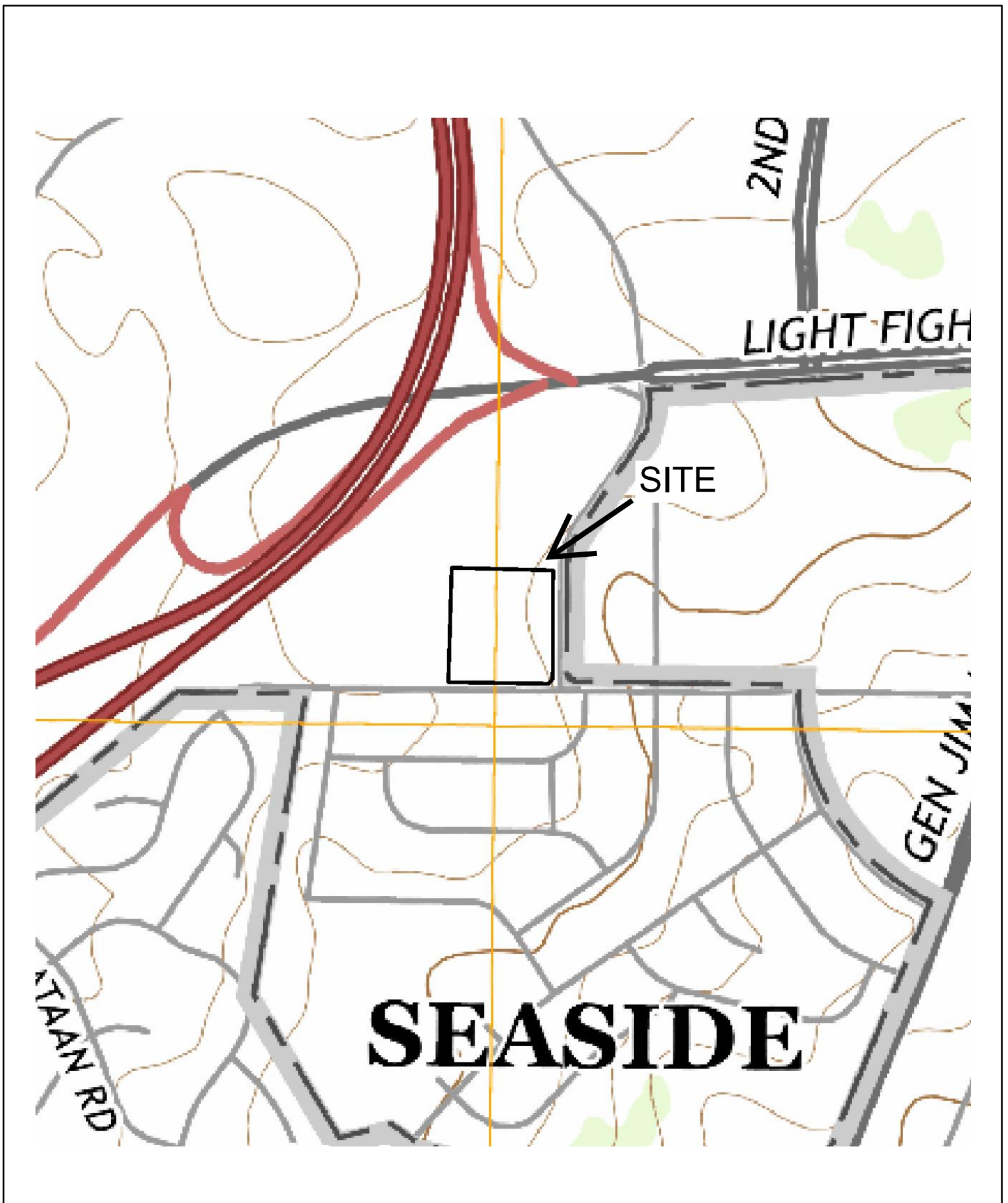


Cassie Bretschger, M.S. ENV-SP

10.0 REFERENCES

- American Society for Testing and Materials, 2021, ASTM 1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.
- American Society for Testing and Materials, 2022, ASTM E2600-15 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.
- Environmental Data Resources, Inc., April 2023. Environmental Reports.
- Envirostor, Remedial Action Summary Report, National Priority List (NPL) Partial Deletion. Accessed April 20, 2023. Available online: [View Documents \(ca.gov\)](#) [Microsoft Word - RAsummary_fortord_jun2redline.DOCX \(ca.gov\)](#)
- Finding of Suitability to Transfer (FOST), Former Fort Ord, California. *Track 0 Plug-in C, Track 1 and Track 1 Plug-in Parcels*, dated July, 2005.
- Fort Ord Land Use Covenant Map, ArcGIS map. Accessed April 28, 2023. Available online: [Fort Ord Land Use Covenants \(arcgis.com\)](#)
- U.S. Department of the Army, Fort Ord Base Realignment and Closure Office. *5th Five-Year Review*. Accessed online: May 15, 2023. Available online: https://docs.fortordcleanup.com/ar_pdfs/news/Final%20FortOrd%205th5YR_FactSheet%20v3AUG21.pdf
- U.S. Department of Agriculture, Natural Resources Conservation Service. Web Soil Survey for Monterey County, CA. Available online: <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx> .
- US Geological Survey (USGS). 2018. Marina, California and Seaside, California Topographic Map. 1:24,000. 7.5-minute Series.

Appendix A Figures



SITE VICINITY MAP





Appendix B Photolog



Photo 1: View of property, looking south.



Photo 2: View of property, looking north.

Kimley»»Horn

1100 W. Town and Country Road, Suite 700
Orange, California 92868
Phone (714)939-1030

Site Photos

**City of Seaside
Assessor Parcel Number (APN) 031-151-012**



Photo 3: View of property, looking north.



Photo 4: View of property, looking east.

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Phone (714)939-1030

Site Photos

**City of Seaside
Assessor Parcel Number (APN) 031-151-012**



Photo 5: Eastern edge of property, looking south.



Photo 6: View of larger parcel outside of the property limits.

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Site Photos

**City of Seaside
Assessor Parcel Number (APN) 031-151-012**



Photo 7: View of concrete berm, looking south.



Photo 8: View of concrete pad, looking west.

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Site Photos

**City of Seaside
Assessor Parcel Number (APN) 031-151-012**



Photo 9: View of orange flags and manhole for AT&T underground communication lines.



Photo 10: View of yellow flags for underground natural gas lines.

Kimley»Horn

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Phone (714)939-1030

Site Photos

**City of Seaside
Assessor Parcel Number (APN) 031-151-012**


Appendix C

User Questionnaire

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPERTY USER QUESTIONNAIRE**

Pursuant to the American Society for Testing and Materials E 1527-21 *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E 1527-21), in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the User must conduct the following inquiries. The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that “all appropriate inquiries” is not complete.

The “User” is defined in the ASTM E 1527-21 standard as *the party seeking to use Practice E 1527 to complete an environmental site assessment of the Site. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.*

Site Name:	Future Fire Station No. 2 Parcel
Owner/Owner Representative Name:	Nisha Patel, Public Works Director/ City Engineer
Owner/Owner Representative Phone Number:	(831) 899-6884 (office)
Signature of Owner/Owner Representative:	
Date:	6/2/2023

Phase I ESA Questions – Please answer to the best of your knowledge. If the answer is not known, please indicate by stating “Unknown”.

1) Is the site or adjacent properties used for industrial purposes?

No.

2) Has the site or adjacent properties ever been used for industrial purposes?

No.

3) Has the site or adjacent properties been used for any of the following?

- Gas station
- Motor repair facility
- Commercial printing facility
- Drycleaner
- Photo developing lab
- Junkyard
- Landfill

- Waste treatment, storage, disposal, processing, or recycling facility
- Manufacturing facility

No.

4) Has the site been used for storage, use, or disposal of any of the following?

- Automobile fluids
- Industrial batteries
- Pesticides
- Herbicides
- Gasoline
- Diesel fuel
- Paints
- Solvents
- Hazardous chemicals

No.

5) Has the site been used for storage of industrial drums?

No.

6) Has fill dirt ever been brought to the site?

No.

7) Are there or have there ever been any pits, ponds, or lagoons on the site?

No.

8) Are there or have there been any septic system, seepage pits, cesspools, oil/water separators, interceptors, trash pits, silage pits, landing strips, or other areas of concern on the site?

No.

9) Are you aware of any floor drains at the site, especially in manufacturing or chemical use/storage areas?

No.

10) Are you aware of any past or present underground storage tanks or above ground storage tanks? If so, what were the size, contents, and removal status (if applicable).

No.

11) Are you aware of any past or present stained soils on the site?

- No.
- 12) Are you aware of any past or present vent or fill piping on the site?
- No.
- 13) Is there or have there ever been foul odors emitting from the flooring, walls, ceilings, or floor drains?
- No.
- 14) Is the property served by a well or the public water system. If so, has the water ever been found to contain contaminants in excess of government guidelines?
- No current connection. No wells onsite.
- 15) Are there any environmental liens or other environmental violations associated with the site?
- No.
- 16) Has a Phase I Environmental Site Assessment ever been performed on the site? If, so, was the site found to be contaminated with hazardous and/or petroleum substances? Was further assessment recommended?
- No.
- 17) Are you aware of any past, threatened, or pending lawsuits or government proceedings concerning releases or threatened releases of hazardous substances at the site?
- No.
- 18) Does the property discard wastewater on or adjacent to the property other than storm water to the city sewer?
- No.
- 19) Are you aware of past dumping on the site?
- No.
- 20) Are there transformers, capacitors, or other hydraulic equipment on the site that may contain PCBs?
- No.
- 21) Are you aware of any retention basins or drywells on the site?
- No.
- 22) Has the site even been used for pesticide or herbicide mixing?
- No.
- 23) Has an asbestos or lead based paint survey been performed on the site?
- No.

Appendix D
Environmental Database Information



Not Reported

Not Reported

Seaside, CA 93955

Inquiry Number: 7299418.11

April 05, 2023

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

04/05/23

Site Name:

Not Reported
Not Reported
Seaside, CA 93955
EDR Inquiry # 7299418.11

Client Name:

Kimley Horn & Associates, Inc.
401 B Street
San Diego, CA 92101
Contact: Kiana Graham



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1998	1"=500'	Acquisition Date: September 07, 1998	USGS/DOQQ
1987	1"=500'	Flight Date: June 22, 1987	USGS
1981	1"=500'	Flight Date: September 22, 1981	USDA
1974	1"=500'	Flight Date: July 18, 1974	USGS
1968	1"=500'	Flight Date: June 14, 1968	USGS
1956	1"=500'	Flight Date: May 14, 1956	USDA
1949	1"=500'	Flight Date: August 17, 1949	USDA

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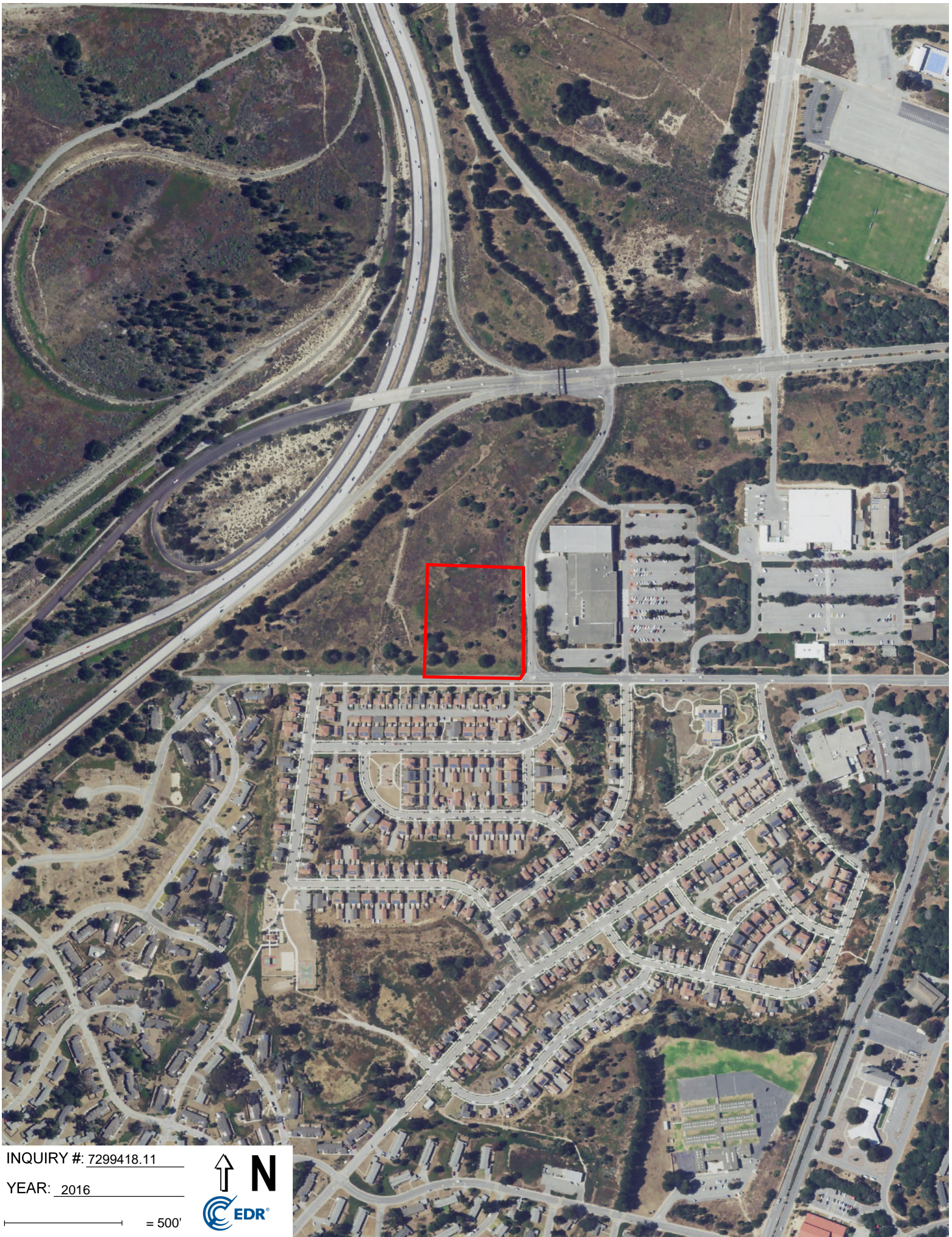


INQUIRY #: 7299418.11

YEAR: 2020

— = 500'





INQUIRY #: 7299418.11

YEAR: 2016

— = 500'





INQUIRY #: 7299418.11

YEAR: 2012

— = 500'





INQUIRY #: 7299418.11

YEAR: 2009

— = 500'





INQUIRY #: 7299418.11

YEAR: 2005

— = 500'





INQUIRY #: 7299418.11

YEAR: 1998

— = 500'





INQUIRY #: 7299418.11

YEAR: 1987

— = 500'





INQUIRY #: 7299418.11

YEAR: 1981

— = 500'



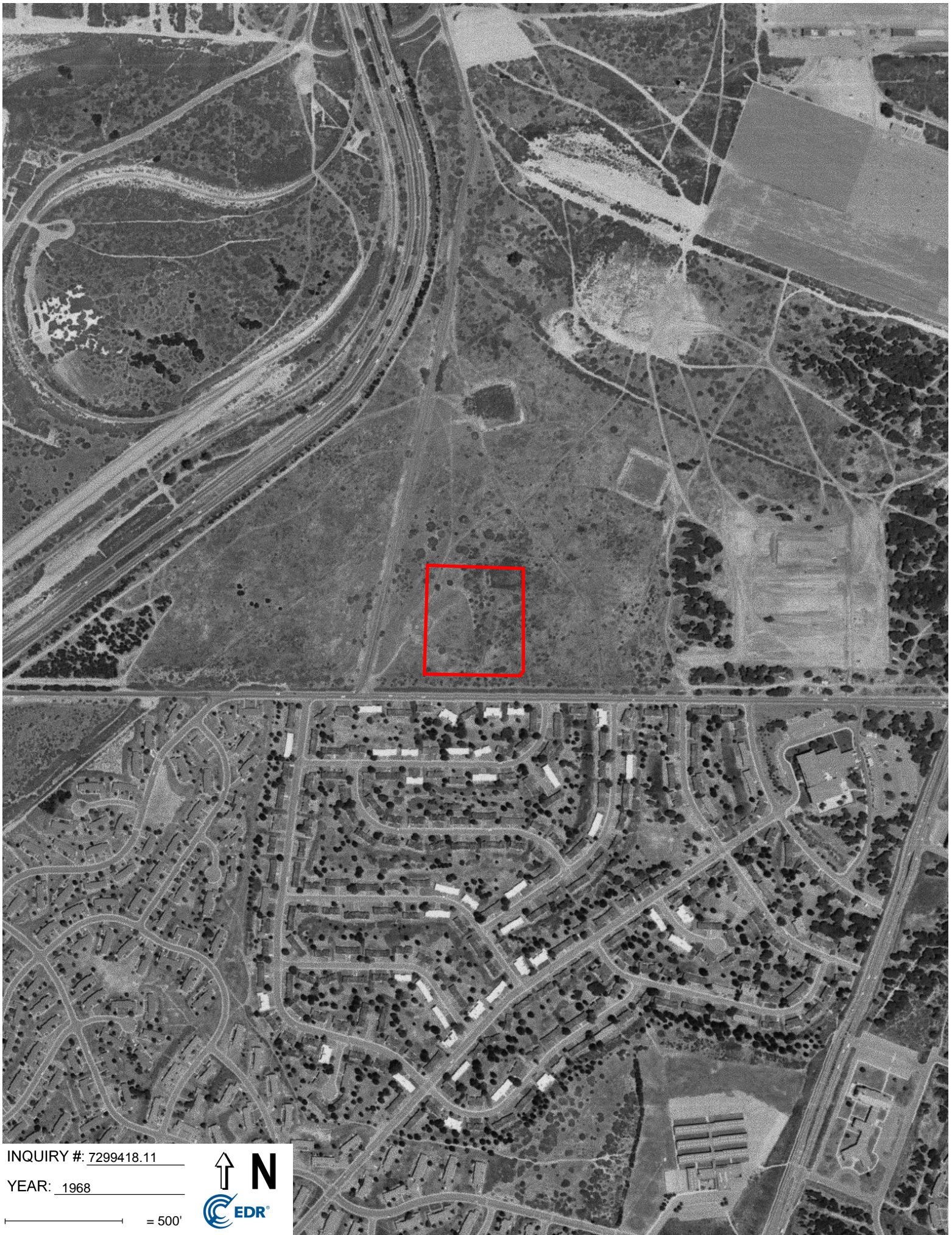


INQUIRY #: 7299418.11

YEAR: 1974

— = 500'





INQUIRY #: 7299418.11

YEAR: 1968

— = 500'



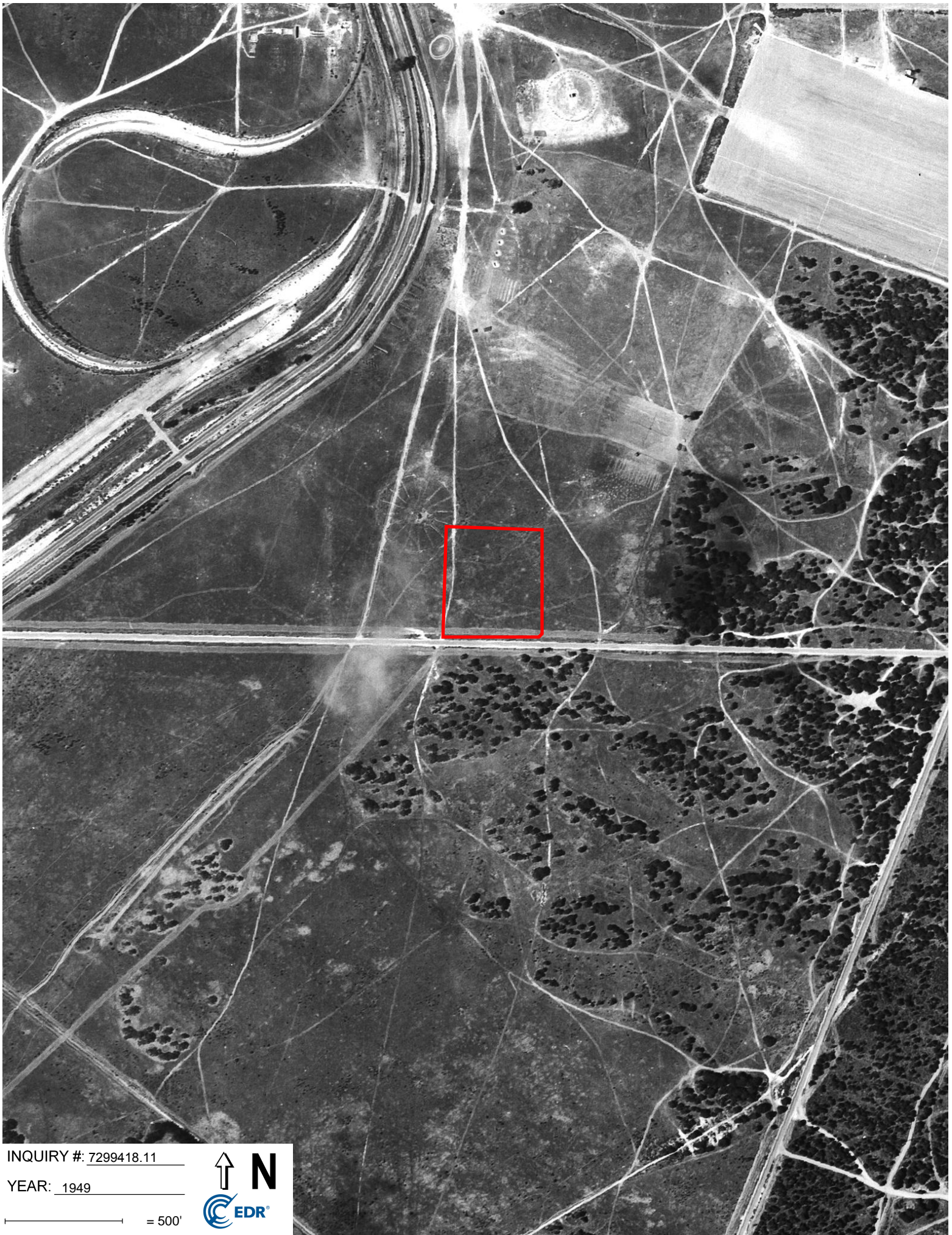


INQUIRY #: 7299418.11

YEAR: 1956

— = 500'





INQUIRY #: 7299418.11

YEAR: 1949

— = 500'



Not Reported

Not Reported

Seaside, CA 93955

Inquiry Number: 7299418.4

April 05, 2023

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

04/05/23

Site Name:

Not Reported
Not Reported
Seaside, CA 93955
EDR Inquiry # 7299418.4

Client Name:

Kimley Horn & Associates, Inc.
401 B Street
San Diego, CA 92101
Contact: Kiana Graham



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Kimley Horn & Associates, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	194460002.1.100	Latitude:	36.644761 36° 38' 41" North
Project:	Seaside - Phase I ESA	Longitude:	-121.814101 -121° 48' 51" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	606007.66
		UTM Y Meters:	4056120.57
		Elevation:	174.42' above sea level

Maps Provided:

2018	1941
2015	1913
2012	
1983	
1974	
1968	
1948	
1947	

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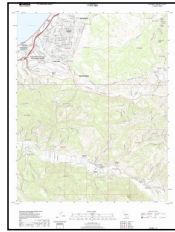
Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Marina
2018
7.5-minute, 24000

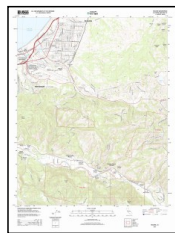


Seaside
2018
7.5-minute, 24000

2015 Source Sheets



Marina
2015
7.5-minute, 24000



Seaside
2015
7.5-minute, 24000

2012 Source Sheets



Marina
2012
7.5-minute, 24000



Seaside
2012
7.5-minute, 24000

1983 Source Sheets



Seaside
1983
7.5-minute, 24000
Aerial Photo Revised 1981



Marina
1983
7.5-minute, 24000
Aerial Photo Revised 1981

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1974 Source Sheets



Marina
1974
7.5-minute, 24000
Aerial Photo Revised 1974



Seaside
1974
7.5-minute, 24000
Aerial Photo Revised 1974

1968 Source Sheets

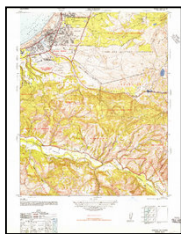


Marina
1968
7.5-minute, 24000
Aerial Photo Revised 1968



Seaside
1968
7.5-minute, 24000
Aerial Photo Revised 1968

1948 Source Sheets



Seaside
1948
7.5-minute, 24000
Aerial Photo Revised 1945



Marina
1948
7.5-minute, 24000
Aerial Photo Revised 1945

1947 Source Sheets



Marina
1947
7.5-minute, 24000
Aerial Photo Revised 1945



Seaside
1947
7.5-minute, 24000
Aerial Photo Revised 1945

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1941 Source Sheets

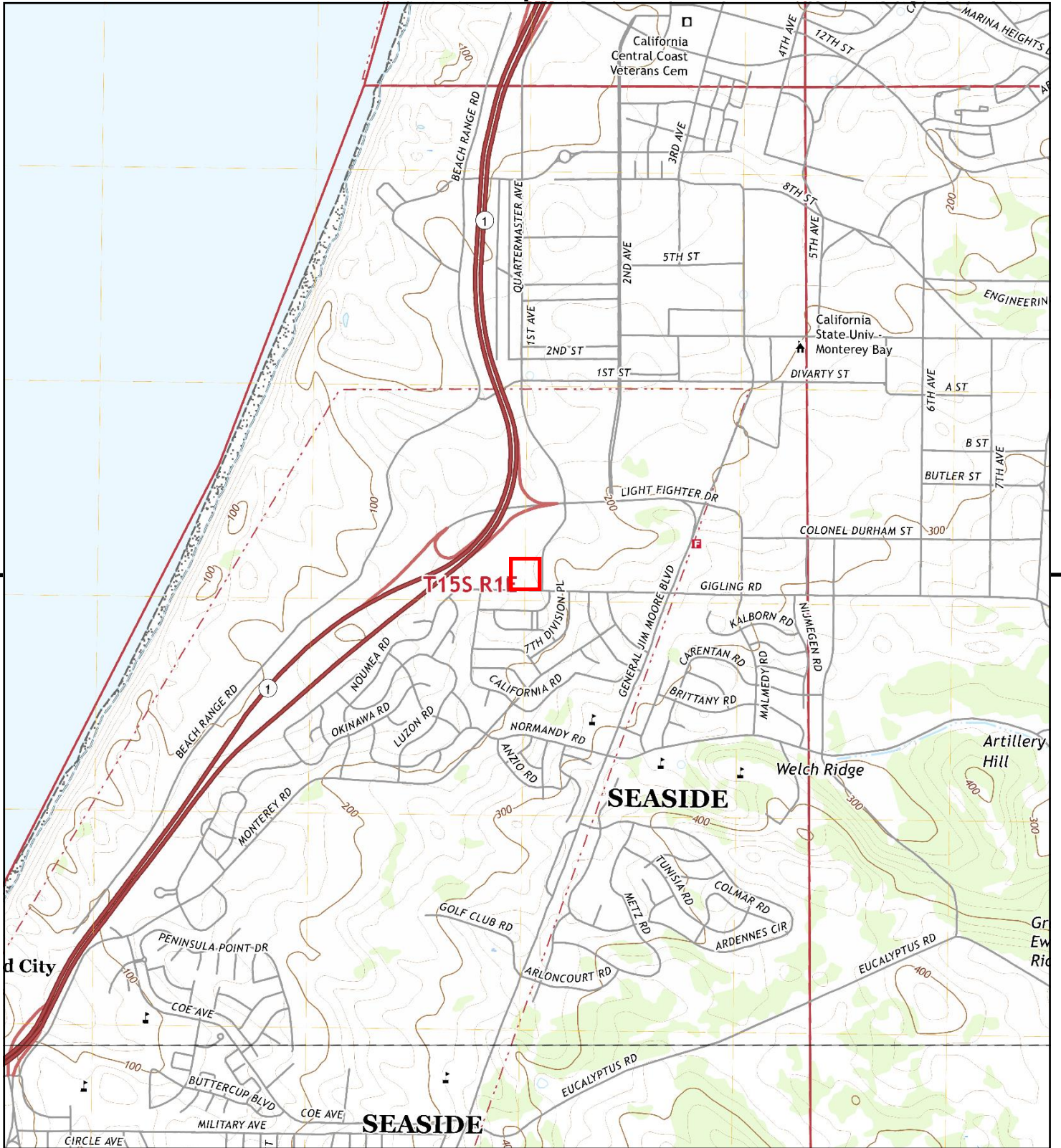


Monterey
1941
15-minute, 62500
Aerial Photo Revised 1939

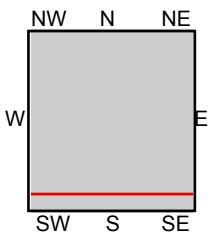
1913 Source Sheets



Monterey
1913
15-minute, 62500



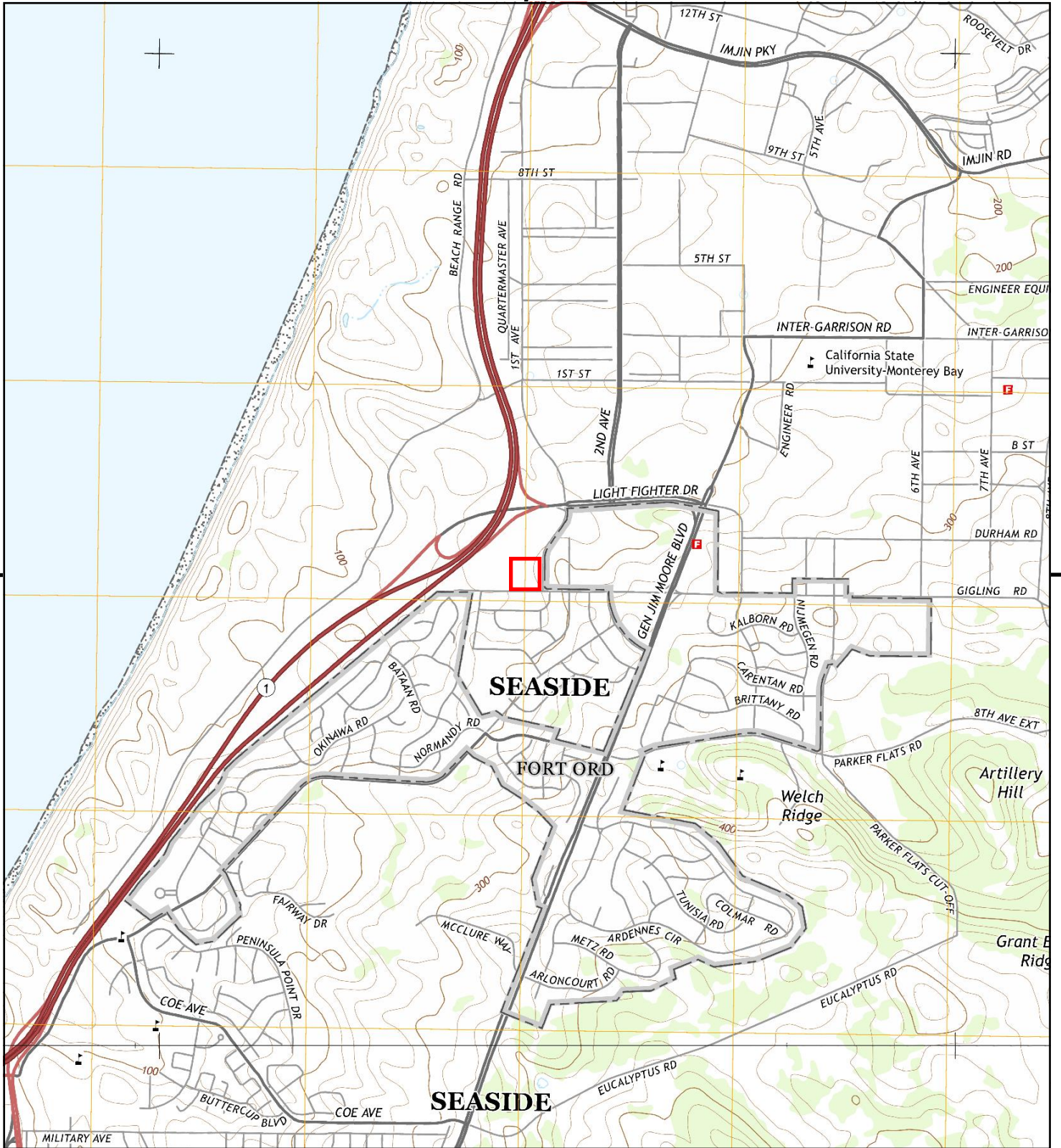
This report includes information from the following map sheet(s).



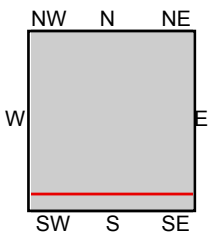
TP, Marina, 2018, 7.5-minute
S, Seaside, 2018, 7.5-minute

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside, CA 93955
 CLIENT: Kimley Horn & Associates, Inc.





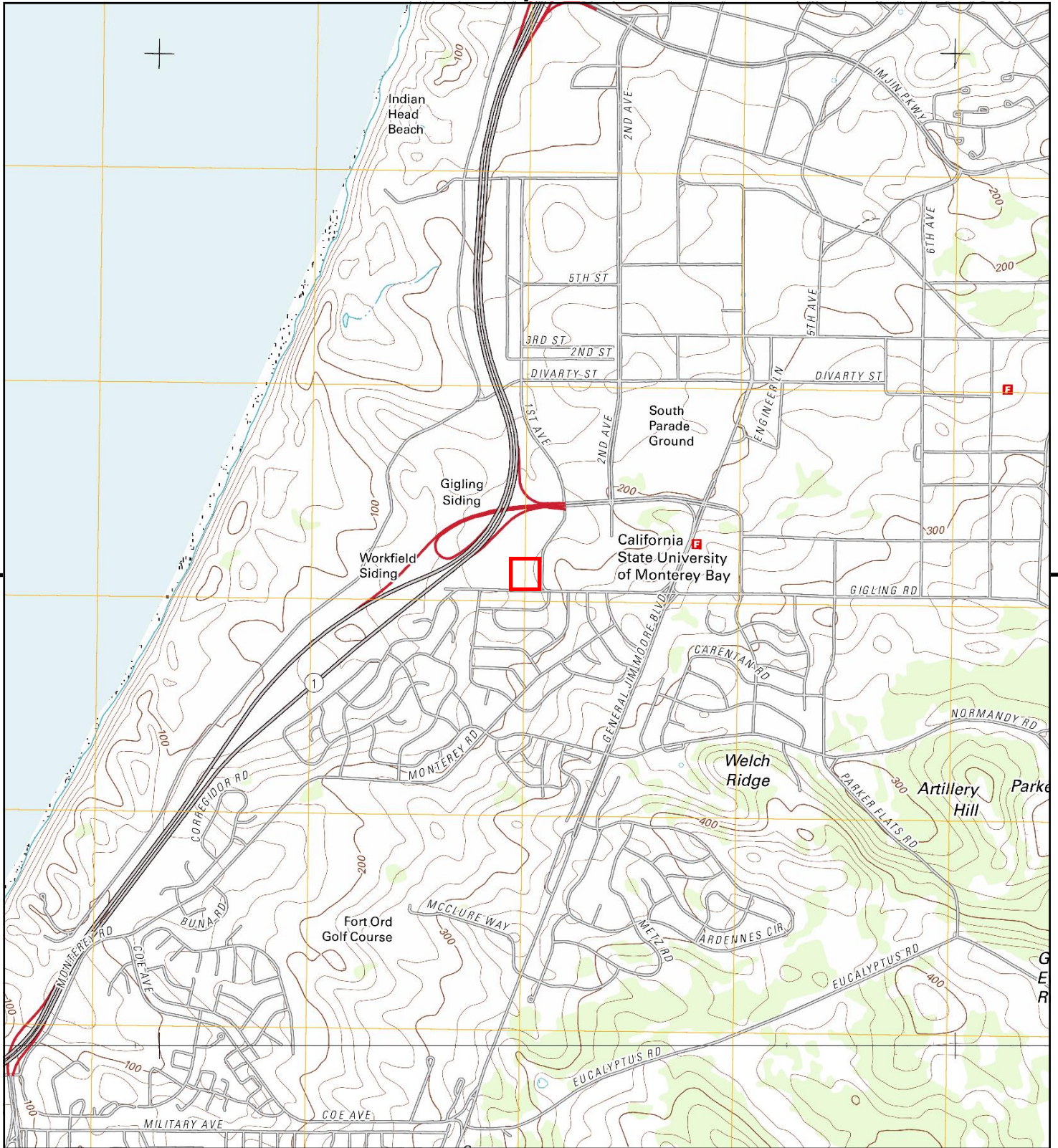
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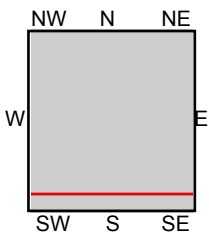
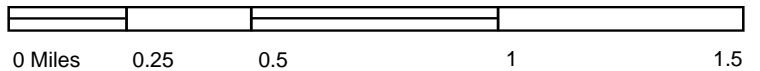
TP, Marina, 2015, 7.5-minute
S, Seaside, 2015, 7.5-minute

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside, CA 93955
 CLIENT: Kimley Horn & Associates, Inc.





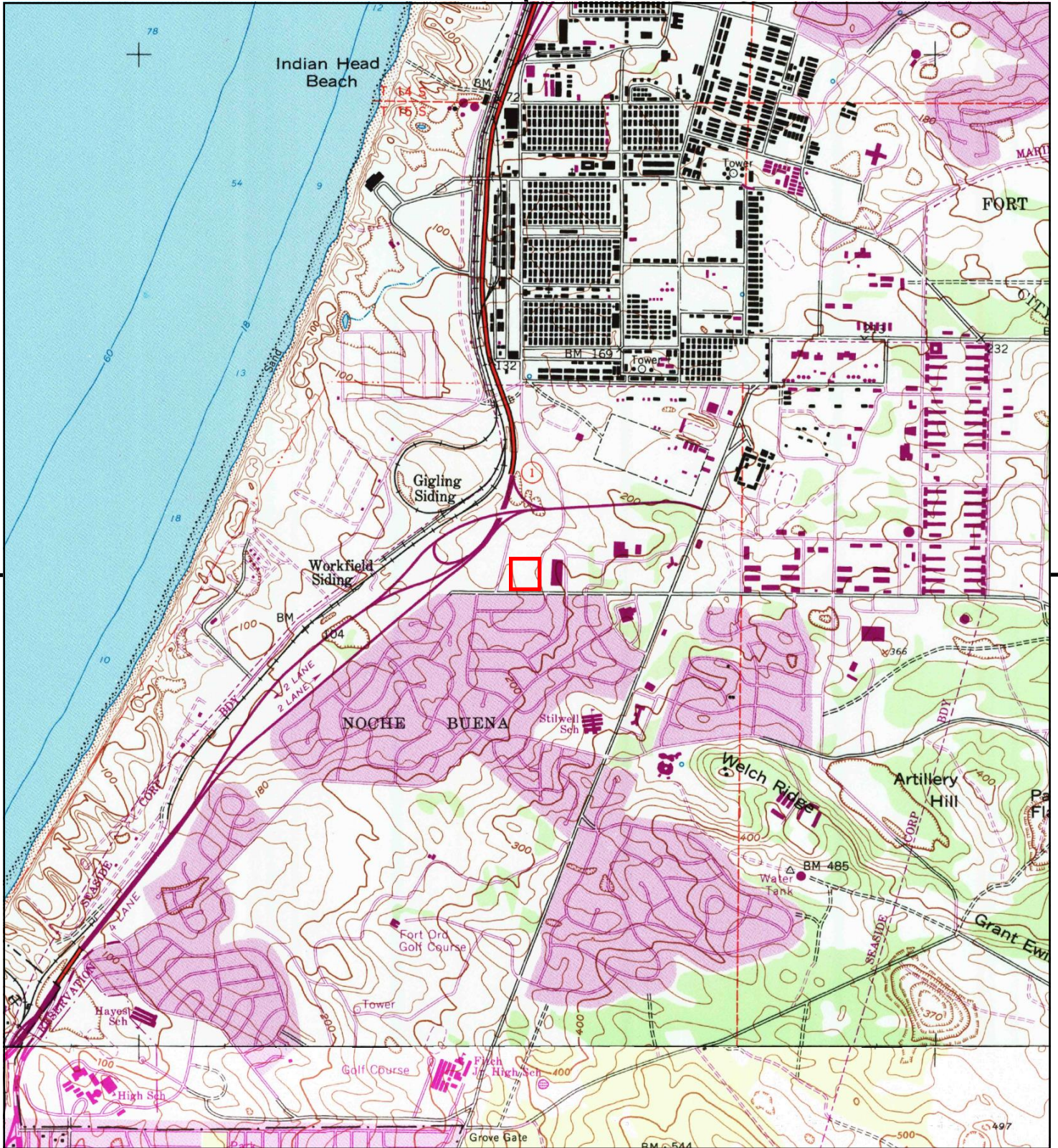
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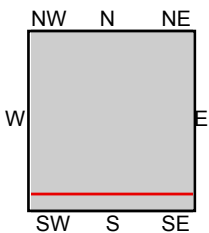
TP, Marina, 2012, 7.5-minute
S, Seaside, 2012, 7.5-minute

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside, CA 93955
 CLIENT: Kimley Horn & Associates, Inc.





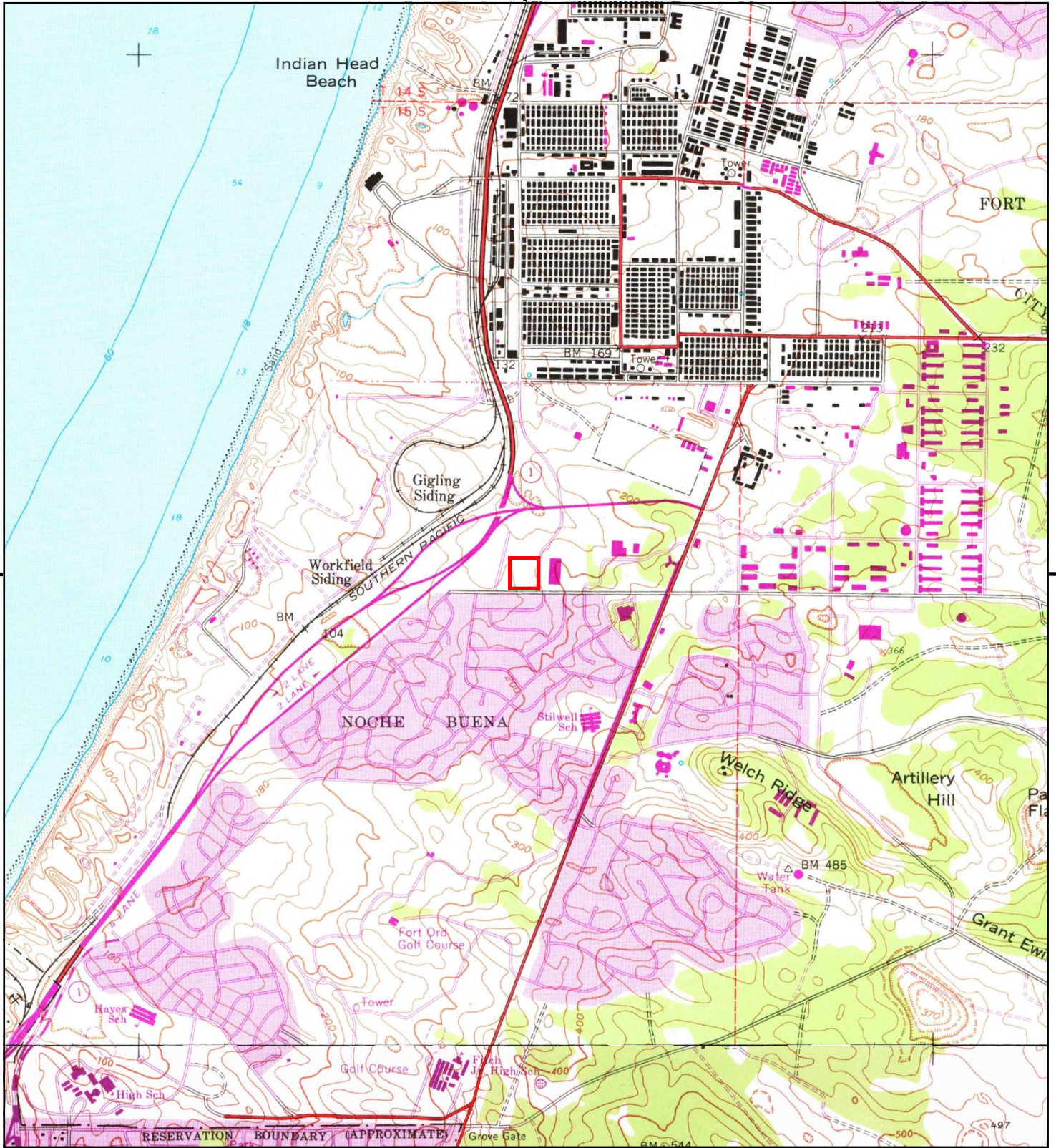
This report includes information from the following map sheet(s).



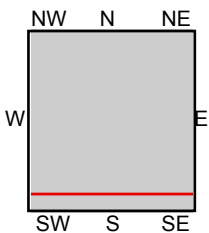
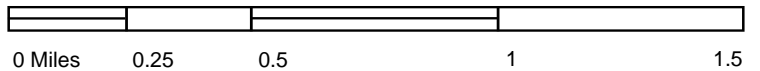
TP, Marina, 1983, 7.5-minute
S, Seaside, 1983, 7.5-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.





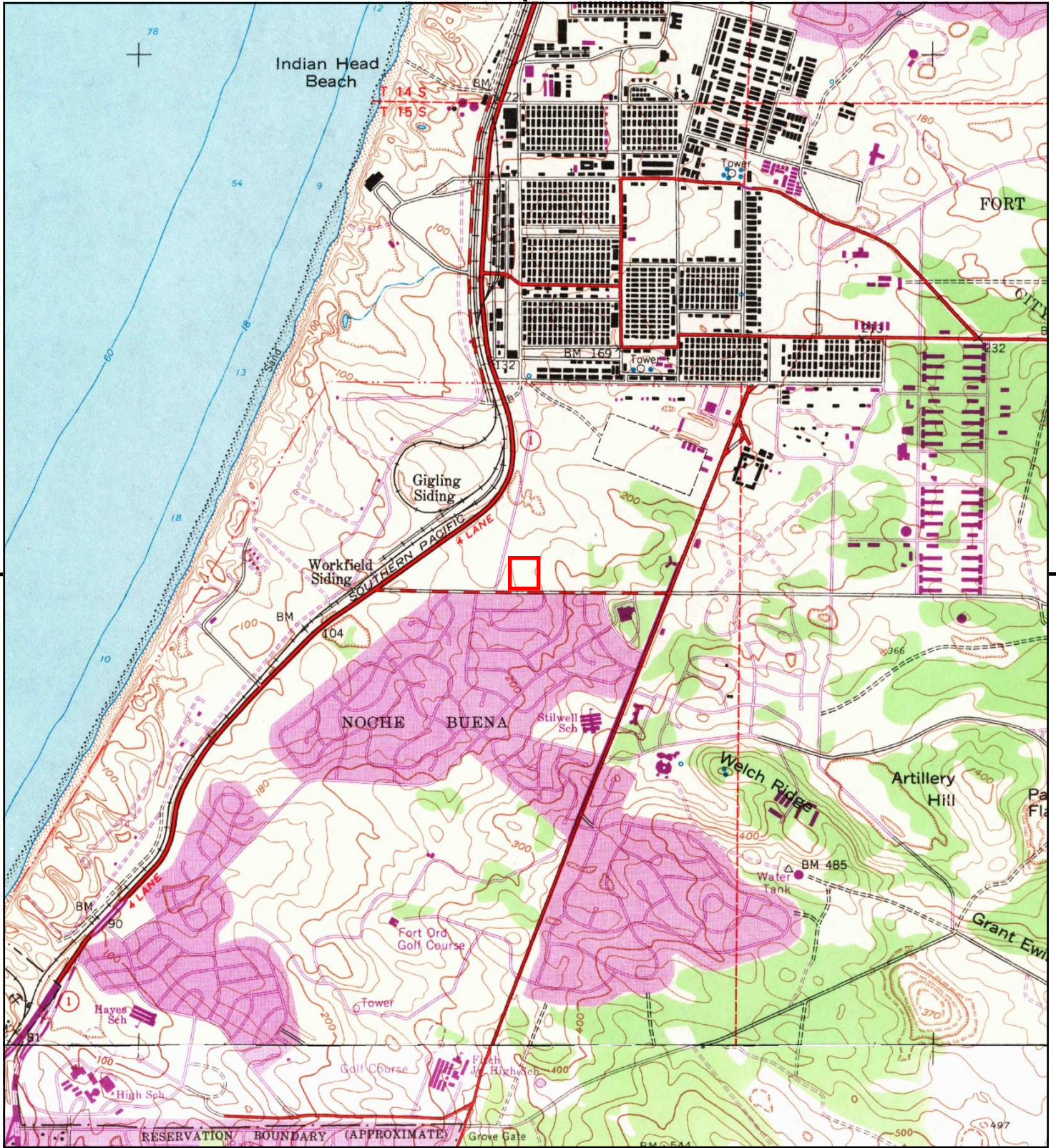
This report includes information from the following map sheet(s).



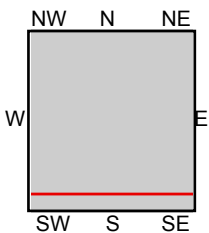
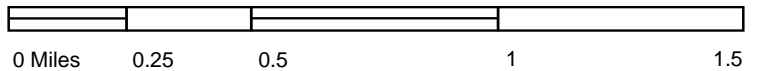
TP, Marina, 1974, 7.5-minute
S, Seaside, 1974, 7.5-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.





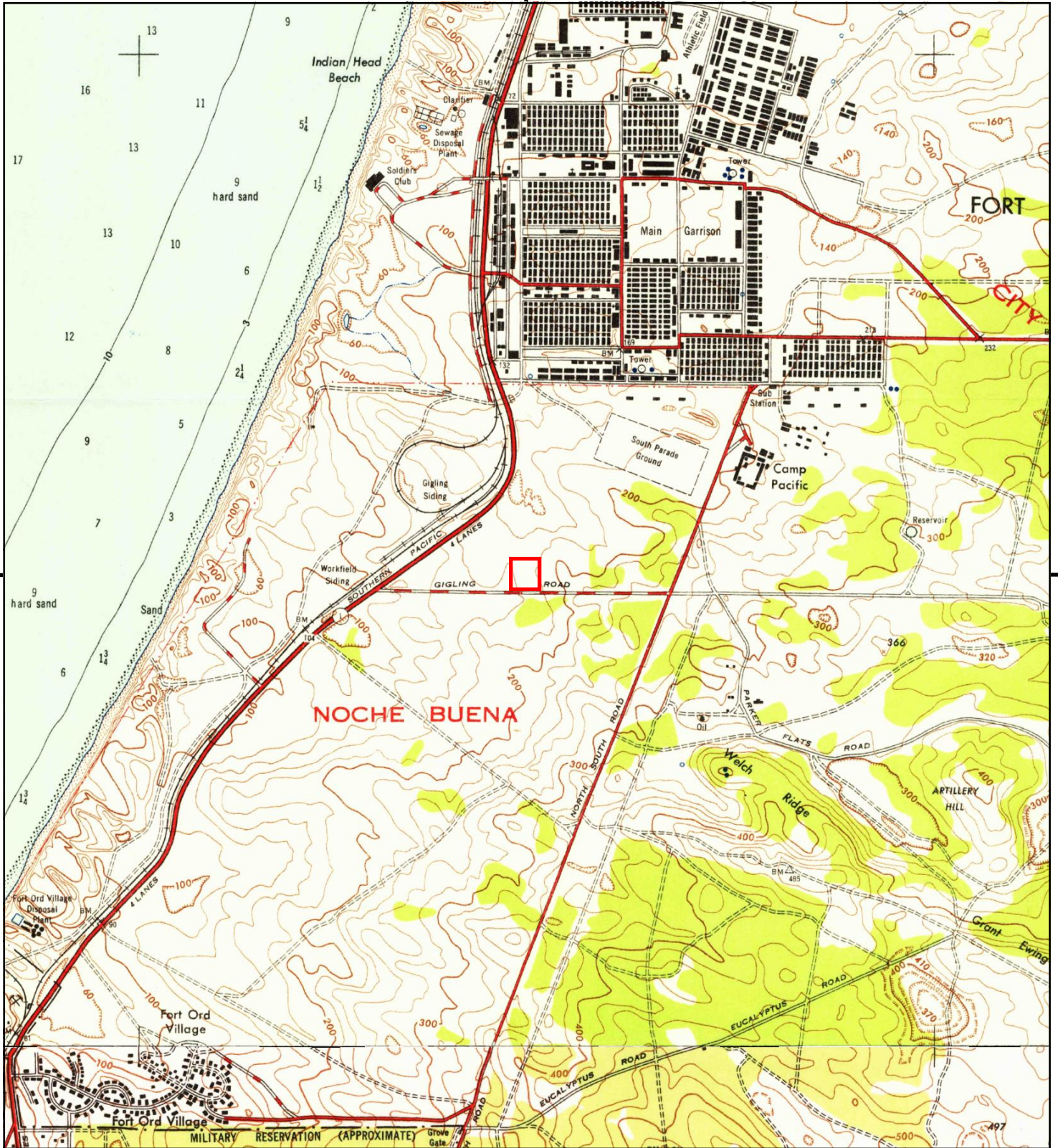
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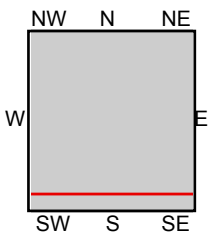
TP, Marina, 1968, 7.5-minute
S, Seaside, 1968, 7.5-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.





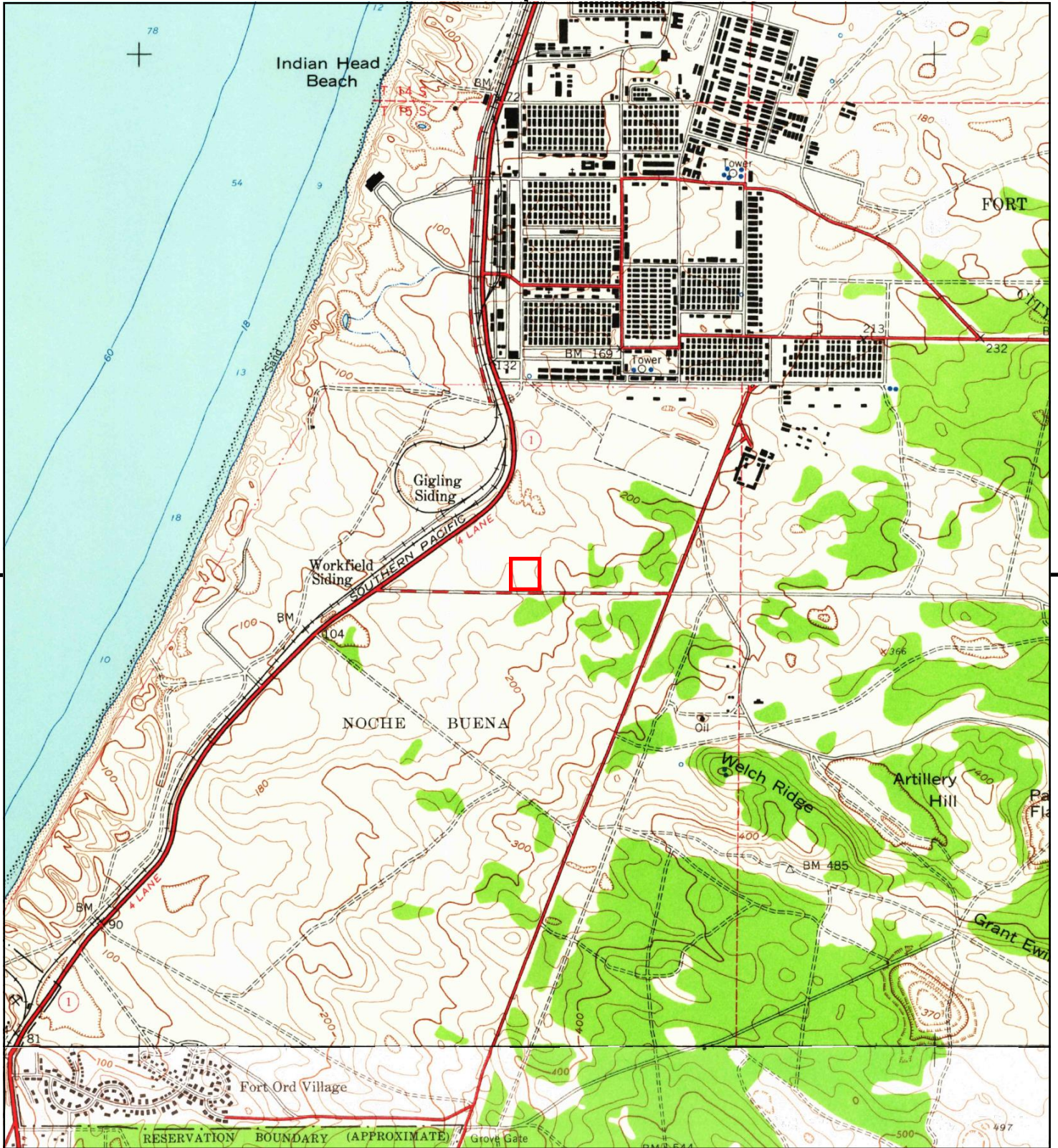
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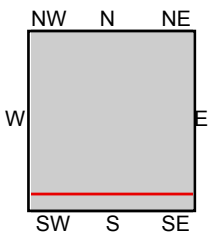
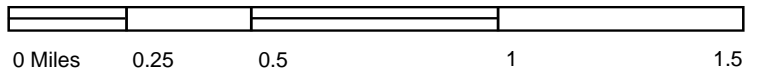
TP, Marina, 1948, 7.5-minute
S, Seaside, 1948, 7.5-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.





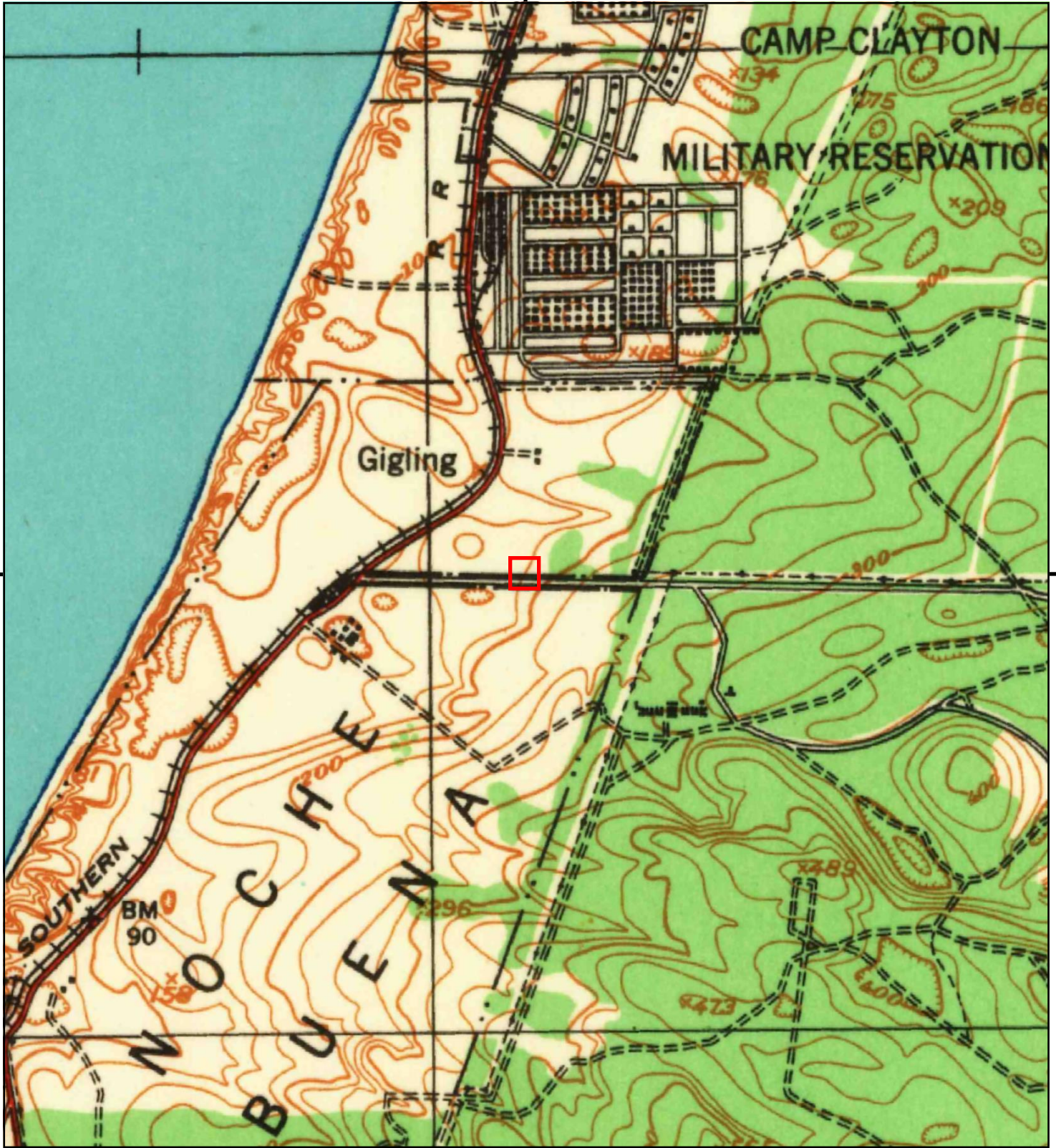
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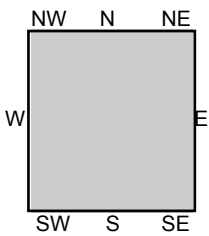
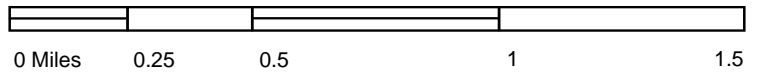
TP, Marina, 1947, 7.5-minute
S, Seaside, 1947, 7.5-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.





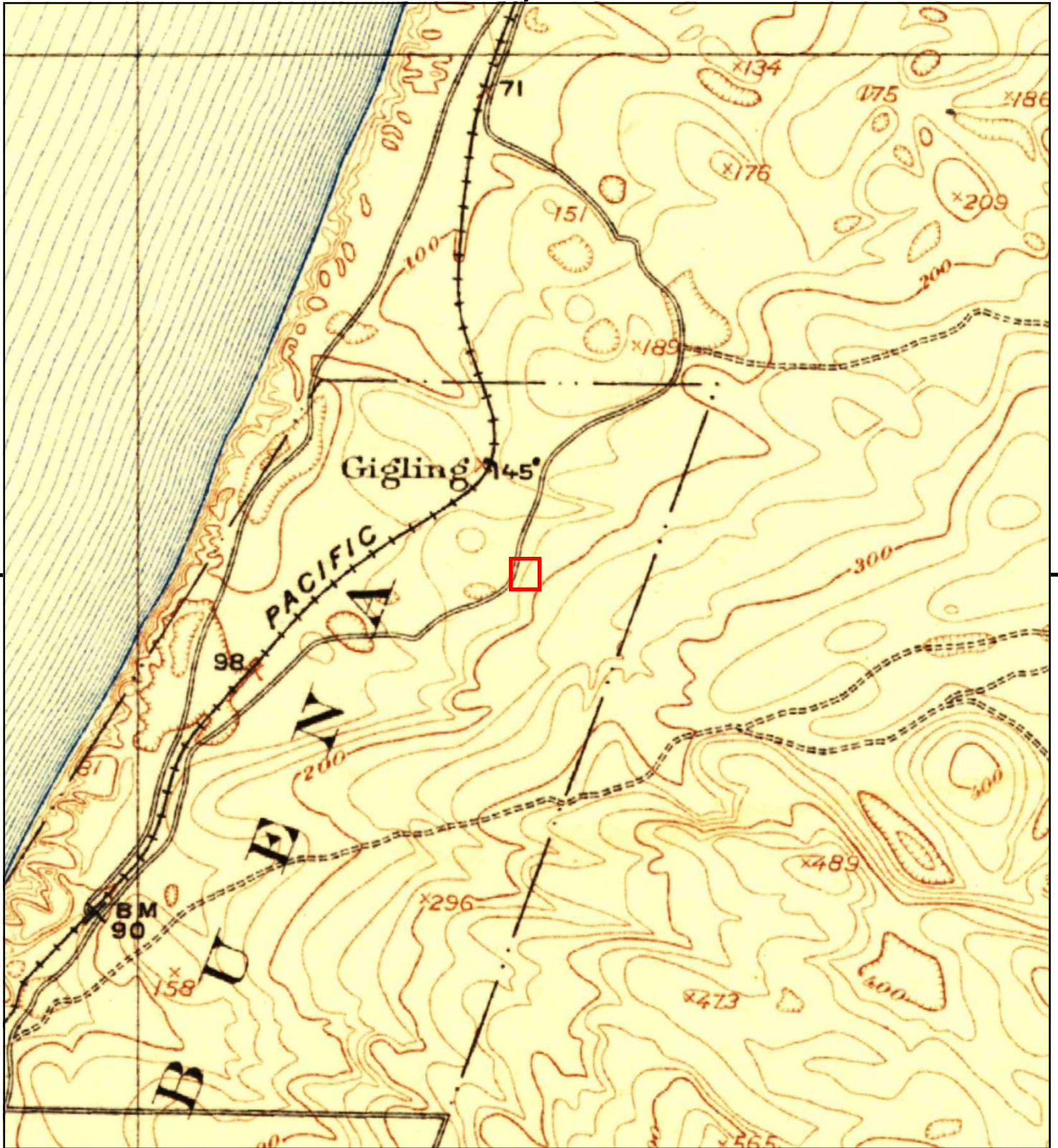
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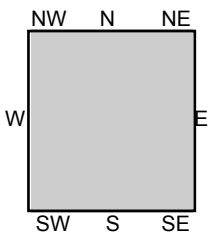
TP, Monterey, 1941, 15-minute

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside, CA 93955
 CLIENT: Kimley Horn & Associates, Inc.





This report includes information from the following map sheet(s).



TP, Monterey, 1913, 15-minute

SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside, CA 93955
CLIENT: Kimley Horn & Associates, Inc.



Not Reported

Not Reported

Seaside, CA 93955

Inquiry Number: 7299418.3

April 05, 2023

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

04/05/23

Site Name:

Not Reported
Not Reported
Seaside, CA 93955
EDR Inquiry # 7299418.3

Client Name:

Kimley Horn & Associates, Inc.
401 B Street
San Diego, CA 92101
Contact: Kiana Graham



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # A184-4D17-B58C
PO # 194460002.1.100
Project Seaside - Phase I ESA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: A184-4D17-B58C

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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Not Reported

Not Reported
Seaside, CA 93955

Inquiry Number: 7299418.6
April 05, 2023

The EDR Property Tax Map Report

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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Not Reported

Not Reported
Seaside, CA 93955

Inquiry Number: 7299418.8
April 05, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

EDR Building Permit Report: Search Documentation

4/05/23

Site Name:

Not Reported
Not Reported
Seaside, CA 93955

Client Name:

Kimley Horn & Associates, Inc.
401 B Street
San Diego, CA 92101

EDR Inquiry # 7299418.8

Contact: Kiana Graham

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 4/05/23, EDR does not have access to building permits in the city where your target property is located (Seaside, CA).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



Not Reported

Not Reported
Seaside, CA 93955

Inquiry Number: 7299418.5
April 06, 2023

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2020	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EDR Digital Archive
2017	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2014	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
2000	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information
1995	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1992	<input type="checkbox"/>	<input type="checkbox"/>	Cole Information
1987	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1982	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1977	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1972	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1969	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1964	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory
1959	<input type="checkbox"/>	<input type="checkbox"/>	Polk's City Directory

FINDINGS

TARGET PROPERTY STREET

Not Reported
Seaside, CA 93955

No Addresses Found

FINDINGS

CROSS STREETS

Year CD Image Source

GIGLING RD

2020	pg. A1	EDR Digital Archive	
2017	pg. A2	Cole Information	
2014	pg. A3	Cole Information	
2010	pg. A4	Cole Information	
2005	pg. A5	Cole Information	
2000	pg. A6	Cole Information	
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	Cole Information	Target and Adjoining not listed in Source
1987	-	Haines Criss-Cross Directory	Street not listed in Source
1982	-	Polk's City Directory	Street not listed in Source
1977	-	Polk's City Directory	Street not listed in Source
1972	-	Polk's City Directory	Street not listed in Source
1969	-	Polk's City Directory	Street not listed in Source
1964	-	Polk's City Directory	Street not listed in Source
1959	-	Polk's City Directory	Street not listed in Source

City Directory Images

GIGLING RD 2020

2150	BREYONNA TIREY DAVID TIREY TYRIN TIREY
2156	ALEJANDRO CEDILLO ENRIQUE CEDILLO
2200	JAMIE RIDDLE
2216	ELADIO PADILLA
4235	FURNITURE AVE INC H&R BLOCK PIZZA MY WAY SUBWAY
4240	ATM ORD COMMUNITY COMMISSARY REDBOX
4242	ATM COAST CENTRAL CREDIT UNION
4260	SEASIDE COMMUNITY CHURCH

GIGLING RD 2017

2106	HOLTMAYER, DANE
2128	RATEIKE, CLIFTON N
2144	STILLWELL, ANDREW
2150	LAWSON, CHRISTOPHER J
2168	CAMPBELL, WILLIAM B
2184	KAPAVIK, PAUL J
2216	ONEILL, BRANDON K
4235	FURNITURE AVE INC
	H&R BLOCK
	PIZZA MY WAY
4242	CENTRAL COAST FEDERAL CREDIT UNION
4260	TRICARE

GIGLING RD 2014

2106 CHAMBERLAIN, ELIZABETH B
2120 WEBBER, GERARD
2128 EAGLE, CHENG
2136 PONTIUS, BRANDON
2144 STARKEN, AUSTIN T
2150 LAWSON, CHRISTOPHER J
2156 NEAL, MANDY
2162 FLORES, LINH T
2168 GARVIN, MATTHEW B
2174 OCCUPANT UNKNOWN,
2184 OCCUPANT UNKNOWN,
2194 GOFF, JOHN T
2200 OCCUPANT UNKNOWN,
2216 ONEILL, SEAN B
4235 FURNITURE AVE INC
4242 CENTRAL COAST FEDERAL CREDIT UNION
4260 MOORE, KEVIN
TRICARE
TSR INC

GIGLING RD 2010

1150	POSTAL ANNEX
4235	DOLCE COUTURE
	EYE SOCIETY
	FURNITURE AVE INC
	GINO MORENA ENTERPRISES LLC
	H&R BLOCK
4240	AIRFORCE DELI
4242	CENTRAL COAST FEDERAL CU

Target Street

Cross Street

Source

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✓

Cole Information

GIGLING RD 2005

4242 CENTRAL COAST FEDERAL CREDIT UNION

Target Street

Cross Street

Source

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✓

Cole Information

GIGLING RD 2000

4242 CENTRAL COAST FEDERAL CREDIT UNION

Not Reported

Not Reported
Seaside, CA 93955

Inquiry Number: 7299418.7
April 06, 2023

EDR Environmental Lien and AUL Search

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Not Reported
Not Reported
Seaside, CA 93955

RESEARCH SOURCE

Source 1:

Monterey
Monterey, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed: deed
Title is vested in: Redevelop Agcy City of Seaside
Title received from: Fort Ord Reuse Auth
Deed Dated: 12/13/2006
Deed Recorded: 12/28/2006
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: See Exhibit

Legal Current Owner: Redevelop Agcy City of Seaside

Parcel # / Property Identifier: 031-151-012-000

Comments: See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULS)

AULs: Found Not Found

If found:

1st Party: na
2nd Party: na
Dated: 12/13/2006
Recorded: 12/28/2006
Book: NA
Page: na
Docket: NA
Volume: na
Instrument: na
Comments:
Miscellaneous Comments:

Deed Exhibit 1

Stephen L. Vagnini
Monterey County Recorder
Recorded at the request of

CRMARIA
12/28/2006
8:00:00

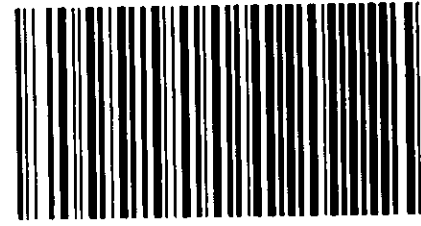
Stewart Title

WHEN RECORDED MAIL TO:

**Kutak Rock LLP
100 Connecticut Ave., N.W.
Suite 100
Washington, D.C. 200036-4374
Attn: George R. Schlossberg**

DOCUMENT: **2006113727**

Titles: 1/ Pages: 159



Fees.....
Taxes...
Other...
AMT PAID _____

THIS SPACE FOR RECORDER'S USE ONLY

Documentary Transfer Tax \$ EXEMPT—Governmental Agency

____ Computed on Full Value of Property conveyed

____ or Computed on Full Value less liens and
encumbrances remaining at time of sale.

As declared by the Undersigned.

TITLE(S) OF DOCUMENT

**QUITCLAIM DEED FOR PARCELS E15.2, E20c.2.1, and L31
FORMER FORT ORD, MONTEREY, CALIFORNIA
(Fort Ord Reuse Authority to the Redevelopment Agency of the City of Seaside)**

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WHEN RECORDED RETURN TO:

RECORDER STAMP

**QUITCLAIM DEED FOR PARCEL E15.2, E20c.2.1, and L31
FORMER FORT ORD, MONTEREY, CALIFORNIA
(Fort Ord Reuse Authority to the Redevelopment Agency of the City of Seaside)**

THIS QUITCLAIM DEED (“Deed”) is made as of the 13th day of December 2006, among the **FORT ORD REUSE AUTHORITY (the “Grantor”)**, created under Title 7.85 of the California Government Code, Chapters 1 through 7, inclusive, commencing with Section 67650, *et seq.*, and selected provisions of the California Redevelopment Law, including Division 24 of the California Health and Safety Code, Part 1, Chapter 4.5, Article 1, commencing with Section 33492, *et seq.*, and Article 4, commencing with Section 33492.70, *et seq.*, and recognized as the Local Redevelopment Authority for the former Fort Ord Army Base, California, by the Office of Economic Adjustment on behalf of the Secretary of Defense, and the **REDEVELOPMENT AGENCY OF THE CITY OF SEASIDE (the “Grantee”)**.

WHEREAS, The United States of America (“Government”) was the owner of certain real property, improvements and other rights appurtenant thereto together with all personal property thereon, located on the former Fort Ord, Monterey County, California, which was utilized as a military installation;

WHEREAS, The military installation at Fort Ord was closed pursuant to and in accordance with the Defense Base Closure and Realignment Act of 1990, as amended (Public Law 101-510; 10 U.S.C. § 2687 note);

WHEREAS, section 2859 of the National Defense Authorization Act for Fiscal Year 1996, (Public Law 104-106), authorized the Government to sell portions of the former Fort Ord to the **Grantor** as surplus property;

WHEREAS, the **Grantor** and the Government entered into the Memorandum of Agreement Between the United States of America Acting By and Through the Secretary of the Army, United States Department of the Army and the Fort Ord Reuse Authority For the Sale of Portions of the former Fort Ord, California, dated the 20th day of June 2000, (“MOA”) and MOA

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 Amendment No. 1, dated the 23rd day of October 2001, which sets forth the specific terms and
2 conditions of the sale of portions of the former Fort Ord located in Monterey County, California;

3
4 **WHEREAS**, pursuant to the MOA, the Government conveyed the property known as
5 parcels E15.2, E20c.2.1, and L31 (“Seaside Parcels”) on the former Fort Ord by quitclaim deed to
6 the **Grantor** on _____, 2006 (“Government Deed”);
7

8 **WHEREAS**, the **Grantor** and the City of Seaside, on behalf of **Grantee**, have entered into
9 the Implementation Agreement dated May 31, 2001 and recorded in the Office of the Monterey
10 County Recorder as Document: 2001088381 (“Implementation Agreement”), which sets forth the
11 specific terms and conditions upon which the **Grantor** agrees to convey and the **Grantee** agrees to
12 accept title to the Seaside Parcels.
13

14 WITNESSETH
15

16 The **Grantor**, for and in consideration of the sum of one dollar (\$1.00) plus other good
17 and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,
18 releases and quitclaims to the **Grantee**, its successors and assigns forever, all such interest, right,
19 title, and claim as the **Grantor** has in and to Parcels E15.2 (28.74 acres), E20c.2.1 (25.4 acres),
20 and L31 (11.7 acres); totaling approximately 65.84 acres (the “Property”), more particularly
21 described in Exhibit “A”, which is attached hereto and made a part hereof. The Property includes
22 the following:
23

24 A. All buildings, facilities, roadways, and other improvements, including the storm
25 drainage systems and the telephone system infrastructure, and any other improvements thereon,
26

27 B. All appurtenant easements and other rights appurtenant thereto, permits, licenses, and
28 privileges not otherwise excluded herein, and
29

30 C. All hereditaments and tenements therein and reversions, remainders, issues, profits,
31 privileges and other rights belonging or related thereto.
32

33 **Grantee** covenants for itself, its successors, and assigns and every successor in interest to
34 the Property, or any part thereof, that **Grantee** and such successors and assigns shall comply with
35 all provisions of the Implementation Agreement as if the **Grantee** were the referenced
36 Jurisdiction under the Implementation Agreement and specifically agrees to comply with the
37 Deed Restrictions and Covenants set forth in Exhibit F of the Implementation Agreement as if
38 such Deed Restrictions and Covenants were separately recorded prior to the recordation of this
39 Deed.
40

41 The Government Deed conveying the Property to the **Grantor** was recorded prior to the
42 recordation of this Deed. In its transfer of the Property to the **Grantor**, the Government provided

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 certain information regarding the environmental condition of the Property. The **Grantor** has no
2 knowledge regarding the accuracy or adequacy of such information.

3
4 The italicized information below is copied verbatim (except as discussed below) from the
5 Government deed conveying the Property to the **Grantor**. The **Grantee** hereby acknowledges
6 and assumes all responsibilities with regard to the Property placed upon the **Grantor** under the
7 terms of the aforesaid Government deed to **Grantor** and **Grantor** grants to **Grantee** all benefits
8 with regard to the Property under the terms of the aforesaid Government deed. Within the
9 italicized information only, the term "Grantor" shall mean the Government, and the term
10 "Grantee" shall mean the Fort Ord Reuse Authority ("FORA"); to avoid confusion, the words
11 "the Government" have been added in parenthesis after the word "Grantor", and "FORA" has
12 been added in parenthesis after the word "Grantee".

13
14 **II. EXCLUSIONS AND RESERVATIONS**

15
16 *This conveyance is made subject to the following **EXCLUSIONS** and*
17 **RESERVATIONS:**

18
19 *A. The Property is taken by the Grantee ("FORA") subject to any and all*
20 *valid and existing recorded outstanding liens, leases, easements, and any other*
21 *encumbrances made for the purpose of roads, streets, utility systems, rights-of-*
22 *way, pipelines, and/or covenants, exceptions, interests, liens, reservations, and*
23 *agreements of record, and any unrecorded leases, easements and any other*
24 *encumbrances made for the purpose of roads, streets, utility systems, rights-of-*
25 *way, pipelines, and/or covenants, exceptions, interests, reservations and*
26 *agreements of record between Grantor ("the Government") and other*
27 *government entities.*

28
29 *B. Grantor ("the Government") reserves a perpetual unassignable right to*
30 *enter the Property for the specific purpose of treating or removing any*
31 *unexploded shells, mines, bombs, or other such devices deposited or caused by the*
32 *Grantor ("the Government").*

33
34 *C. The reserved rights and easements set forth in this section are subject*
35 *to the following terms and conditions:*

36
37 *(1) To comply with all applicable Federal law and lawful existing*
38 *regulations;*

39
40 *(2) To allow the occupancy and use by the Grantee ("FORA"), its*
41 *successors, assigns, permittees, or lessees of any part of the easement areas not*
42 *actually occupied or required for the purpose of the full and safe utilization*
43 *thereof by the Grantor ("the Government"), so long as such occupancy and use*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 does not compromise the ability of the Grantor ("the Government") to use the
2 easements for their intended purposes, as set forth herein;

3
4 (3) That the easements granted shall be for the specific use
5 described and may not be construed to include the further right to authorize any
6 other use within the easements unless approved in writing by the fee holder of the
7 land subject to the easement;

8
9 (4) That any transfer of the easements by assignment, lease,
10 operating agreement, or otherwise must include language that the transferee
11 agrees to comply with and be bound by the terms and conditions of the original
12 grant;

13
14 (5) That, unless otherwise provided, no interest granted shall give
15 the Grantor ("the Government") any right to remove any material, earth, or stone
16 for consideration or other purpose except as necessary in exercising its rights
17 hereunder; and

18
19 (6) To restore any easement area so far as it is reasonably possible
20 to do so upon abandonment or release of any easement as provided herein, unless
21 this requirement is waived in writing by the then owner of the Property.

22
23 D. Grantor ("the Government") reserves mineral rights that Grantor
24 ("the Government") owns with the right of surface entry in a manner that does
25 not unreasonably interfere with Grantee's ("FORA") development and quiet
26 enjoyment of the Property.

27
28 **TO HAVE AND TO HOLD** the Property unto the Grantee ("FORA") and
29 its successors and assigns forever, provided that this Deed is made and accepted
30 upon each of the following notices, covenants, restrictions, and conditions which
31 shall be binding upon and enforceable against the Grantee ("FORA"), its
32 successors and assigns, in perpetuity, as follows:

33
34 **III. CERCLA COVENANT**

35
36 Pursuant to Section 120(h)(4)(D)(i) of the Comprehensive Environmental
37 Response, Compensation, and Liability Act of 1980 (42 U.S.C. §
38 9620(h)(4)(D)(i)), the Grantor ("the Government") has identified the Property as
39 real property on which no hazardous substances and no petroleum products or
40 their derivatives were stored for one year or more, or known to have been
41 released or disposed of. Grantor ("the Government") warrants that any response
42 action or corrective action found to be necessary after the date of this Deed
43 attributable to Grantor ("the Government") activities on the Property and/or

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *hazardous substances or petroleum products contamination existing on the*
2 *Property prior to the date of this Deed shall be conducted by Grantor (“the*
3 *Government”) using all reasonable means to the extent practicable to avoid*
4 *and/or minimize interference with the use of the Property. Grantee (“FORA”), its*
5 *successors and assigns, as consideration for the conveyance of the Property, to*
6 *the extent authorized by law, agree to release Grantor (“the Government”) from*
7 *any liability or responsibility arising solely out of the release of any hazardous*
8 *substance or petroleum product on the Property occurring after the date of the*
9 *delivery and acceptance of this Deed and not attributable to the activities of*
10 *Grantor (“the Government”), where such substance or product was placed on the*
11 *Property by the Grantee (“FORA”), or its successors, assigns, employees,*
12 *invitees, agents or contractors, after the conveyance. This paragraph shall not*
13 *affect the Grantor’s (“the Government”) responsibilities to conduct response*
14 *actions or corrective actions required by applicable laws, rules and regulations,*
15 *or the Grantor’s (“the Government”) indemnification obligations under*
16 *applicable laws.*

17
18
19

IV. *RIGHT OF ACCESS*

20 *A. The Grantor (“the Government”), EPA, and DTSC, and their officers,*
21 *agents, employees, contractors, and subcontractors will have the right, upon*
22 *reasonable notice to the Grantee (“FORA”), and at no cost to the Grantor (“the*
23 *Government”), to enter upon the Property in any case in which a response or*
24 *corrective action is found to be necessary, after the date of transfer of the*
25 *Property, or such access is necessary to carry out a response action or corrective*
26 *action on adjoining property, including, without limitation, the following*
27 *activities:*

28
29 *(1) To conduct investigations and surveys, including where*
30 *necessary, drilling, soil and water sampling, test-pitting, and other activities*
31 *related to the Fort Ord Installation Restoration Program (“IRP”), Military*
32 *Munitions Response Program (“MMRP”), or FFA;*

33
34 *(2) To inspect field activities of the Army and its contractors and*
35 *subcontractors with regards to implementing the Fort Ord IRP, MMRP, or FFA;*

36
37 *(3) To conduct any test or survey related to the implementation of*
38 *the IRP by the EPA or the DTSC relating to the implementation of the FFA or*
39 *environmental conditions at Fort Ord or to verify any data submitted to the EPA*
40 *or the DTSC by the Government relating to such conditions;*

41
42 *(4) To construct, operate, maintain or undertake any other*
43 *investigation, corrective measure, response, or remedial action as required or*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *necessary under any Fort Ord FFA, Record of Decision (“ROD”), IRP or MMRP*
2 *requirement, including, but not limited to monitoring wells, pumping wells, and*
3 *treatment facilities.*

4
5 *Such right of access shall be binding on the Grantee (“FORA”), its*
6 *successors and assigns, and shall run with the land.*

7
8 *B. In exercising this access easement, except in case of imminent*
9 *endangerment to human health or the environment, the Grantor (“the*
10 *Government”) shall give the Grantee (“FORA”), or the then record owner,*
11 *reasonable prior notice. Grantee (“FORA”) agrees that, notwithstanding any*
12 *other provisions of this Deed, the Grantor (“the Government”) assumes no*
13 *liability to the Grantee (“FORA”), its successors or assigns, or any other person,*
14 *should remediation of the Property interfere with the use of the Property. The*
15 *Grantee (“FORA”) shall not, through construction or operation/maintenance*
16 *activities, interfere with any remediation or response action conducted by the*
17 *Grantor (“the Government”) under this paragraph. The Grantee (“FORA”), the*
18 *then record owner, and any other person shall have no claim against the Grantor*
19 *(“the Government”) or any of its officers, agents, employees or contractors solely*
20 *on account of any such interference resulting from such remediation.*

21
22 *C. Without the express written consent of the Grantor (“the*
23 *Government”) in each case first obtained, neither the Grantee (“FORA”), its*
24 *successors or assigns, nor any other person or entity acting for or on behalf of the*
25 *Grantee (“FORA”), its successors or assigns, shall interfere with any response*
26 *action being taken on the Property by or on behalf of the Grantor (“the*
27 *Government”), or interrupt, relocate, or otherwise interfere with any remediation*
28 *system now or in the future located, over, through, or across any portion of the*
29 *Property.*

30
31 **V. “AS IS, WHERE IS”**

32
33 *The Property is conveyed in an “As Is, Where Is” condition without any*
34 *representation, warranty or guarantee, except as otherwise stated herein, by the*
35 *Grantor (“the Government”) as to quantity, quality, title, character, condition,*
36 *size, or kind, or that the same is in condition or fit to be used for the purpose for*
37 *which intended, and no claim for allowance or deduction upon such grounds will*
38 *be considered. There is no obligation on the part of the Grantor (“the*
39 *Government”) to make any alterations, repairs, or additions, and said Grantor*
40 *(“the Government”) shall not be liable for any latent or patent defects in the*
41 *Property. This section shall not affect the Grantor’s (“the Government”)*
42 *responsibility under **CERCLA COVENANT, ENVIRONMENTAL***
43 ***PROTECTION PROVISIONS, or any other statutory obligations as applicable.***

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

VI. ENVIRONMENTAL PROTECTION PROVISIONS

The Grantee ("FORA") shall neither transfer the Property, lease the Property, nor grant any interest, privilege, or license whatsoever in connection with the Property without the inclusion of the Environmental Protection Provisions in this Section VI ("Environmental Protection Provisions"), and shall require the inclusion of the Environmental Protection Provisions in all further deeds, easements, transfers, leases, or grant of any interest, privilege, or license.

A. FEDERAL FACILITIES AGREEMENT ("FFA")

The Grantor ("the Government") acknowledges that former Fort Ord has been identified as a National Priority List ("NPL") Site under CERCLA. The Grantee ("FORA") acknowledges that the Grantor ("the Government") has provided it with a copy of the FFA entered into by the EPA Region IX, the State of California, and the United States Department of the Army, effective on February 1990, and will provide the Grantee ("FORA") with a copy of any amendments thereto. The Grantee ("FORA") agrees that should any conflict arise between the terms of the FFA as they presently exist or may be amended, and the provisions of this Property transfer, the terms of the FFA will take precedence. The Grantee ("FORA") further agrees that notwithstanding any other provisions of the Property transfer, the Grantor ("the Government") assumes no liability to the Grantee ("FORA"), should implementation of the FFA interfere with their use of the Property. Grantor ("the Government") shall give Grantee ("FORA") reasonable notice of its action required by the FFA and use all reasonable means to the extent practicable to avoid and/or minimize interference with Grantee ("FORA")'s, its successors or assigns' use of the Property. The Grantee ("FORA"), or any subsequent transferee, shall have no claim on account of any such interference against the Grantor ("the Government") or any officer, agent, employee or contractor thereof. Grantor ("the Government") agrees to use its best efforts to the extent practicable to avoid and/or minimize interference with Grantee's ("FORA"), its successors or assigns' use of the Property, and to provide Grantee ("FORA") with a copy of any amendments to the FFA.

B. NO LIABILITY FOR NON-ARMY CONTAMINATION

The Army shall not incur liability for additional response action or corrective action found to be necessary after the date of transfer in any case in which the person or entity to whom the Property is transferred, or other non-Army entities, is identified as the party responsible for contamination of the property.

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

C. NOTICE OF THE PRESENCE OF CONTAMINATED GROUNDWATER

Applicable to Parcels E15.2 and E20c.2.1

(1) The Property is within the "Consultation Zone" of the "Special Groundwater Protection Zone." The Consultation Zone includes areas surrounding the "Prohibition Zone" where groundwater extraction may impact or be impacted by the four identified groundwater contamination plumes at the former Fort Ord. The Consultation Zone is also identified on the "Former Fort Ord Special Groundwater Protection Zone Map," which is on file with the County of Monterey (the County). County Ordinance No. 04011 requires consultation with the Grantor ("the Government"), the US EPA, the DTSC, the RWQCB and the County for proposed water well construction within the Consultation Zone.

(2) The Grantee ("FORA") covenants for itself, its successors, and assigns not to access or use groundwater underlying the Property for any purpose without the prior written approval of the Grantor ("the Government"), the US EPA, the DTSC, the RWQCB and the County. For the purpose of this restriction, "groundwater" shall have the same meaning as in section 101(12) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

(3) The Grantee ("FORA") covenants for itself, its successors, and assigns that neither the Grantee ("FORA"), its successors or assigns, nor any other person or entity acting for or on behalf of the Grantee ("FORA"), its successors or assigns, shall interfere with any response action being taken on the Property by or on behalf of the Grantor ("the Government"), or interrupt, relocate, or otherwise interfere or tamper with any remediation system or monitoring wells now or in the future located on, over, through, or across any portion of the Property without the expressed written consent of the Grantor ("the Government") in each case first obtained.

(4) The Grantee ("FORA") covenants for itself, its successors, or assigns, that it will not undertake nor allow any activity on or use of the Property that would violate the restrictions contained herein. These restrictions and covenants are binding on the Grantee ("FORA"), its successors and assigns; shall run with the land; and are forever enforceable

E. NOTICE OF THE POTENTIAL FOR THE PRESENCE OF MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)

Applicable to Parcels E15.2, E20c.2.1, and L31

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1
2 (1) *The Grantee (“FORA”) is hereby notified that due to the*
3 *former use of the Property as a military installation, the Property may contain*
4 *munitions and explosives of concern (MEC). The term MEC means specific*
5 *categories of military munitions that may pose unique explosives safety risks and*
6 *includes: (1) Unexploded Ordnance (UXO), as defined in 10 U.S.C. § 101(e)(5);*
7 *(2) Discarded military munitions (DMM), as defined in 10 U.S.C. § 2710(e)(2); or*
8 *(3) Munitions constituents (e.g., TNT, RDX), as defined in 10 U.S.C. § 2710(e)(3),*
9 *present in high enough concentrations to pose an explosive hazard. For the*
10 *purposes of the basewide Military Munitions Response Program (MMRP) being*
11 *conducted for the former Fort Ord and these Environmental Protection*
12 *Provisions, MEC does not include small arms ammunition .50 caliber and below.*

13
14 (2) *Portions of the Property were previously used for military*
15 *training involving military munitions, or for disposal of munitions items. A*
16 *review of existing records and available information indicates there are munitions*
17 *response sites (MRS's) associated with the Property. Military training on the*
18 *Property involved only the use of practice and pyrotechnic items that are not*
19 *designed to cause injury, or military munitions items that do not pose an explosive*
20 *hazard. Military munitions items were found within materials excavated from a*
21 *landfill disposal area formerly on the Property; however, this is attributed to*
22 *disposal activities at the landfill and not training. All landfill disposal areas*
23 *within the Property have been fully excavated, the landfilled material removed,*
24 *and the excavated areas backfilled or regraded. The ten MRS's were evaluated*
25 *and documented in the Final Track 1 Ordnance and Explosives Remedial*
26 *Investigation/Feasibility Study, former Fort Ord, California (Track 1 OE RI/FS)*
27 *(June 2004) the Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area*
28 *(May 6, 2005) and, in accordance with the Record of Decision, No Further Action*
29 *Related to Munitions and Explosives of Concern – Track 1 Sites; No Further*
30 *Remedial Action with Monitoring for Ecological Risks from Chemical*
31 *Contamination at Site 3 (MRS-22) (Track 1 ROD) (March 2005), no further*
32 *action related to MEC is required at these MRS's.*

33
34 (3) *The Grantor (“the Government”) represents that, to the*
35 *best of its knowledge, no MEC is currently present on the Property.*
36 *Notwithstanding the Grantor’s (“the Government”) determination, the parties*
37 *acknowledge that there is a possibility that MEC may exist on the Property. If the*
38 *Grantee (“FORA”), any subsequent owner, or any other person should find any*
39 *MEC on the Property, they shall immediately stop any intrusive or ground-*
40 *disturbing work in the area or in any adjacent areas and shall not attempt to*
41 *disturb, remove or destroy it, but shall immediately notify the local law*
42 *enforcement agency having jurisdiction on the Property so that appropriate U.S.*
43 *Military explosive ordnance disposal personnel can be dispatched to address such*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *MEC as required under applicable law and regulations and at no expense to the*
2 *Grantee ("FORA"). The Grantee ("FORA") hereby acknowledges receipt of the*
3 *"Ordnance and Explosives Safety Alert" pamphlet.*
4

5 (4) *Because the Grantor ("the Government") cannot guarantee*
6 *that all MEC has been removed, the Grantor ("the Government") recommends*
7 *reasonable and prudent precautions be taken when conducting intrusive*
8 *operations on the Property and will, at its expense, provide construction worker*
9 *ordnance recognition and safety training. The FOST lists certain MRS's*
10 *associated with the property covered under the FOST (MRS-1, MRS-6, (and MRS-*
11 *6 Expansion Area), MRS-13A, MRS-22, MRS-27Y, MRS-49, MRS-59A, MRS-62,*
12 *and MRS-66). For those MRS's that overlap the Property the Army recommends*
13 *construction personnel involved in intrusive operations at these sites attend the*
14 *Grantor's ("the Government") ordnance recognition and safety training. To*
15 *accomplish that objective, the Grantor ("the Government") requests notice from*
16 *the Grantee ("FORA") of planned intrusive activities, and in turn will provide*
17 *ordnance recognition and safety training to construction personnel prior to the*
18 *start of intrusive work. The Grantor ("the Government") will provide ordnance*
19 *recognition and safety refresher training as appropriate. For the Track 1 sites*
20 *where ordnance recognition and safety training is recommended (MRS-1, MRS-6*
21 *(and MRS-6 Expansion Area), MRS-13A, MRS-22, MRS-27Y, MRS-49, MRS- 59A,*
22 *MRS-62, and MRS-66), at the time of the next five-year review (2007), the*
23 *Grantor ("the Government") will assess whether the education program should*
24 *continue. If information indicates that no MEC items have been found in the*
25 *course of development or redevelopment of the site, it is expected that the*
26 *education program may, with the concurrence of the regulatory agencies, be*
27 *discontinued, subject to reinstatement if a MEC item is encountered in the future.*

28 (5) *Easement and Access Rights.*
29

30 a) *The Grantor ("the Government") reserves a perpetual*
31 *and assignable right of access on, over, and through the Property, to access and*
32 *enter upon the Property in any case in which a munitions response action is found*
33 *to be necessary, or such access and entrance is necessary to carry out a munitions*
34 *response action on adjoining property as a result of the ongoing Munitions*
35 *Response Remedial Investigation/Feasibility Study. Such easement and right of*
36 *access includes, without limitation, the right to perform any additional*
37 *investigation, sampling, testing, test-pitting, surface and subsurface clearance*
38 *operations, or any other munitions response action necessary for the United*
39 *States to meet its responsibilities under applicable laws and as provided for in*
40 *this Deed. This right of access shall be binding on the Grantee ("FORA"), its*
41 *successors and assigns, and shall run with the land.*
42

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 b) *In exercising this easement and right of access, the*
2 *Grantor (“the Government”) shall give the Grantee (“FORA”) or the then record*
3 *owner, reasonable notice of the intent to enter on the Property, except in*
4 *emergency situations. Grantor (“the Government”) shall use reasonable means,*
5 *without significant additional cost to the Grantor (“the Government”), to avoid*
6 *and/or minimize interference with the Grantee’s (“FORA”) and the Grantee’s*
7 *(“FORA”) successors’ and assigns’ quiet enjoyment of the Property; however,*
8 *the use and/or occupancy of the Property may be limited or restricted, as*
9 *necessary, under the following scenarios: (a) to provide the required minimum*
10 *separation distance employed during intrusive munitions response actions that*
11 *may occur on or adjacent to the Property; and (b) if Army implemented*
12 *prescribed burns are necessary for the purpose of a munitions response action*
13 *(removal) in adjacent areas. Such easement and right of access includes the right*
14 *to obtain and use utility services, including water, gas, electricity, sewer, and*
15 *communications services available on the property at a reasonable charge to the*
16 *United States. Excluding the reasonable charges for such utility services, no fee,*
17 *charge, or compensation will be due the Grantee (“FORA”) or its successors and*
18 *assigns, for the exercise of the easement and right of access hereby retained and*
19 *reserved by the United States.*

20
21 c) *In exercising this easement and right of access, neither*
22 *the Grantee (“FORA”) nor its successors and assigns, as the case maybe, shall*
23 *have any claim at law or equity against the United States or any officer,*
24 *employee, agent, contractor of any tier, or servant of the United States based on*
25 *actions taken by the United States or its officers, employees, agents, contractors*
26 *of any tier, or servants pursuant to and in accordance with this Paragraph. In*
27 *addition, the Grantee (“FORA”), its successors and assigns, shall not interfere*
28 *with any munitions response action conducted by the Grantor (“the*
29 *Government”) on the Property.*

30
31 (6) *The Grantee (“FORA”) acknowledges receipt of the Final*
32 *Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study*
33 *(Track 1 OE RI/FS) (June 2004) and the Record of Decision, No Further Action*
34 *Related to Munitions and Explosives of Concern – Track 1 Sites; No Further*
35 *Remedial Action with Monitoring for Ecological Risks from Chemical*
36 *Contamination at Site 3 (MRS-22) (Track 1 ROD) (March 2005).*

37
38 **F. NOTICE OF RARE, THREATENED AND ENDANGERED**
39 **SPECIES MANAGEMENT**

40 *Applicable to Parcels E20c.2.1, and L31*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 (1) *The Property contains habitat occupied and/or potentially*
2 *occupied by several sensitive wildlife and plant species, some of which are listed*
3 *or proposed for listing as threatened or endangered under the Endangered*
4 *Species Act (ESA). Applicable laws and regulations restrict activities that involve*
5 *the potential loss of populations and habitats of listed species. To fulfill*
6 *Grantor's ("the Government") commitment in the Fort Ord Disposal and Reuse*
7 *Environmental Impact Statement Record of Decision, made in accordance with*
8 *the National Environmental Policy Act of 1969, 42 U.S.C 4321 et seq., this deed*
9 *requires the conservation in perpetuity of these sensitive wildlife and plant*
10 *species and their habitats consistent with the U.S. Fish and Wildlife Service*
11 *Biological Opinions for disposal of the former Fort Ord lands issued pursuant to*
12 *Section 7 of the ESA on March 30, 1999, October 22, 2002, and March 14, 2005*
13 *respectively. By requiring Grantee ("FORA"), and its successors and assigns to*
14 *comply with the Installation-Wide Multispecies Habitat Management Plan*
15 *(HMP), Grantor ("the Government") intends to fulfill its responsibilities under*
16 *Section 7 of the ESA and to minimize future conflicts between species protection*
17 *and economic development of portions of the Property.*

18
19 (2) *Grantee ("FORA") acknowledges that it has received a*
20 *copy of the HMP dated April 1997. The HMP, which is incorporated herein by*
21 *reference, provides a basewide framework for disposal of lands within former*
22 *Fort Ord wherein development and potential loss of species and/or habitat is*
23 *anticipated to occur in certain areas of the former Fort Ord (the HMP*
24 *Development Areas) while permanent species and habitat conservation is*
25 *guaranteed within other areas of the former Fort Ord (i.e., the HMP Reserve and*
26 *Corridor parcels). Disposal of former Fort Ord lands in accordance with and*
27 *subject to the restrictions of the HMP is intended to satisfy the Army's*
28 *responsibilities under Section 7 of the ESA.*

29
30 (3) *The following parcels of land within the Property hereby*
31 *conveyed or otherwise transferred to Grantee ("FORA") are subject to the*
32 *specific use restrictions and/or conservation, management, monitoring, and*
33 *reporting requirements identified for the parcel in the HMP:*

34
35 a) *Habitat Reserve Parcels numbered: n/a*

36
37 b) *Habitat reserves within the Development with Reserve*
38 *Areas or Development with Restrictions Parcels numbered: n/a*

39
40 (4) *Any boundary modifications to the Development with Reserve*
41 *Areas or Development with Restrictions parcels or the Borderland Development*
42 *Areas Along NRMA Interface must be approved in writing by the U. S. Fish and*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *Wildlife Service (USFWS) and must maintain the viability of the HMP for*
2 *permanent species and habitat conservation.*

3
4 (5) *The HMP describes existing habitat and the likely presence*
5 *of sensitive wildlife and plant species that are treated as target species in the*
6 *HMP. Some of the target species are currently listed or proposed for listing as*
7 *threatened or endangered under the ESA. The HMP establishes general*
8 *conservation and management requirements applicable to the property to*
9 *conserve the HMP species. These requirements are intended to meet mitigation*
10 *obligations applicable to the property resulting from the Army disposal and*
11 *development reuse actions. Under the HMP, all target species are treated as if*
12 *listed under the ESA and are subject to avoidance, protection, conservation, and*
13 *restoration requirements. Grantee (“FORA”) shall be responsible for*
14 *implementing and funding each of the following requirements set forth in the*
15 *HMP as applicable to the property:*

16
17 a) *Grantee (“FORA”) shall implement all avoidance,*
18 *protection, conservation and restoration requirements identified in the HMP as*
19 *applicable to the Property and shall cooperate with adjacent property owners in*
20 *implementing mitigation requirements identified in the HMP for adjacent*
21 *sensitive habitat areas.*

22
23 b) *Grantee (“FORA”) shall protect and conserve the HMP*
24 *target species and their habitats within the Property, and, other than those*
25 *actions required to fulfill a habitat restoration requirement applicable to the*
26 *Property, shall not remove any vegetation, cut any trees, disturb any soil, or*
27 *undertake any other actions that would impair the conservation of the species or*
28 *their habitats. Grantee (“FORA”) shall accomplish the Resource Conservation*
29 *Requirements and Management Requirements identified in Chapter 4 of the HMP*
30 *as applicable to any portion of the Property.*

31
32 c) *Grantee (“FORA”) shall manage, through an agency or*
33 *entity approved by USFWS, each HMP parcel, or portion thereof, within the*
34 *Property that is required in the HMP to be managed for the conservation of the*
35 *HMP species and their habitats, in accordance with the provisions of the HMP.*

36
37 d) *Grantee (“FORA”) shall either directly, or indirectly*
38 *through its USFWS approved habitat manager, implement the management*
39 *guidelines applicable to the parcel through the development of a site-specific*
40 *management plan. The site-specific habitat management plan must be developed*
41 *and submitted to USFWS (and, for non-Federal recipients, California Department*
42 *of Fish and Game (CDFG) as well) for approval. Upon approval by USFWS*
43 *(and, as appropriate, CDFG) the recipient shall implement the plan. Such plans*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *may thereafter be modified through the Coordinated Resource Management and*
2 *Planning (CRMP) process or with the concurrence of USFWS (and, as*
3 *appropriate, CDFG) as new information or changed conditions indicate the need*
4 *for adaptive management changes.*

5
6 *e) Grantee ("FORA") shall restrict access to the Property*
7 *in accordance with the HMP, but shall allow access to the Property, upon*
8 *reasonable notice of not less than 48 hours, by USFWS, and its designated agents,*
9 *for the purpose of monitoring Grantee's ("FORA") compliance with, and for such*
10 *other purposes as are identified in the HMP.*

11
12 *f) Grantee ("FORA") shall comply with all monitoring and*
13 *reporting requirements set forth in the HMP that are applicable to the Property,*
14 *and shall provide an annual monitoring report, as provided for in the HMP, to the*
15 *Bureau of Land Management (BLM) on or before November 1 of each year, or*
16 *such other date as may be hereafter agreed to by USFWS and BLM.*

17
18 *g) Grantee ("FORA") covenants for itself, its successors*
19 *and assigns, that it shall include and otherwise make legally binding the*
20 *provisions of the HMP in any deed, lease, right of entry, or other legal instrument*
21 *by which Grantee ("FORA") divests itself of any interest in all or a portion of the*
22 *Property. The covenants, conditions, restrictions and requirements of this deed*
23 *and the provisions of the HMP shall run with the land. The covenants,*
24 *conditions, restrictions, and requirements of this deed and the HMP benefit the*
25 *lands retained by the Grantor ("the Government") that formerly comprised Fort*
26 *Ord, as well as the public generally. Management responsibility for the Property*
27 *may only be transferred as a condition of the transfer of the Property, with the*
28 *consent of the USFWS. USFWS may require the establishment of a perpetual*
29 *trust fund to pay for the management of the Property as a condition of transfer of*
30 *management responsibility from Grantee ("FORA").*

31
32 *h) This conveyance is made subject to the following*
33 **ENFORCEMENT PROVISIONS:**

34
35 *i) If Grantor ("the Government") (or its assigns),*
36 *acting through the USFWS or a successor designated agency, determines that*
37 *Grantee ("FORA") is violating or threatens to violate the provisions of*
38 *subparagraph h of this deed or the provisions of the HMP, Grantor ("the*
39 *Government") shall provide written notice to Grantee ("FORA") of such*
40 *violation and demand corrective action sufficient to cure the violation, and where*
41 *the violation involves injury to the Property resulting from any use or activity*
42 *inconsistent with the provisions of subparagraph h of this deed or the provisions*
43 *of the HMP, to restore the portion of the Property so injured. If Grantee*

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 (*“FORA”*) fails to cure a violation within sixty (60) days after receipt of notice
2 thereof from Grantor (*“the Government”*), or under circumstances where the
3 violation cannot reasonably be cured within a sixty (60) day period, or fails to
4 continue to diligently cure such violation until finally cured, Grantor (*“the*
5 *Government”*) may bring an action at law or in equity in a court of competent
6 jurisdiction to enforce the covenants, conditions, and restrictions of this deed and
7 the provisions of the HMP, to enjoin the violation, by temporary or permanent
8 injunction, to recover any damages to which it may be entitled for violation of the
9 covenants, conditions, and restrictions of this deed or the provisions of the HMP,
10 or injury to any conservation value protected by this deed or the HMP, and to
11 require the restoration of the Property to the condition that existed prior to such
12 injury. If Grantor (*“the Government”*), in its good faith and reasonable
13 discretion, determines that circumstances require immediate action to prevent or
14 mitigate significant damage to the species and habitat conservation values of the
15 Property, Grantor (*“the Government”*) may pursue its remedies under this
16 paragraph without prior notice to Grantee (*“FORA”*) or without waiting for the
17 period provided for the cure to expire. Grantor’s (*“the Government”*) rights
18 under this paragraph apply equally in the event of either actual or threatened
19 violations of covenants, conditions, reservations and restrictions of this deed or
20 the provisions of the HMP, and Grantee (*“FORA”*) acknowledges that Grantor’s
21 (*“the Government”*) remedies at law for any of said violations are inadequate
22 and Grantor (*“the Government”*) shall be entitled to the injunctive relief
23 described in this paragraph, both prohibitive and mandatory, in addition to such
24 other relief to which Grantor (*“the Government”*) may be entitled, including
25 specific performance of the covenants, conditions, reservations and restrictions of
26 this deed and the provisions of the HMP.

27
28 ii) Enforcement of the covenants, conditions, and
29 restrictions in this deed and the provisions of the HMP shall be at the discretion
30 of Grantor (*“the Government”*), and any forbearance by Grantor (*“the*
31 *Government”*) to exercise its rights under this deed and the HMP in the event of
32 any such breach or violation of any provision of this deed or the HMP by Grantee
33 (*“FORA”*) shall not be deemed or construed to be a waiver by Grantor (*“the*
34 *Government”*) of such provision or of any subsequent breach or violation of the
35 same or any other provision of this deed or the HMP or of any of Grantor’s (*“the*
36 *Government”*) rights under this deed or the HMP. No delay or omission by
37 Grantor (*“the Government”*) in the exercise of any right or remedy upon any
38 breach or violation by Grantee (*“FORA”*) shall impair such right or remedy or
39 be construed as a waiver.

40
41 iii) In addition to satisfying Army’s responsibilities
42 under Section 7 of the ESA, Grantee’s (*“FORA”*) compliance with the covenants,
43 conditions, and restrictions contained in this deed and with the provisions of the

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *HMP are intended to satisfy mitigation obligations included in any future*
2 *incidental take permit issued by USFWS pursuant to Section 10(a)(1)(B) of the*
3 *Endangered Species Act which authorizes the incidental take of a target HMP*
4 *species on the Property. Grantee ("FORA") acknowledges that neither this deed*
5 *nor the HMP authorizes the incidental take of any species listed under the ESA.*
6 *Authorization to incidentally take any target HMP wildlife species must be*
7 *obtained by Grantee ("FORA") separately, or through participation in a broader*
8 *habitat conservation plan and Section 10(a)(1)(B) permit based on the HMP and*
9 *approved by USFWS.*
10

11 **VII. AIR NAVIGATION RESERVATION AND RESTRICTIONS**

12 *The Monterey Airport and the former Fritzsche Airfield, now known as the*
13 *Marina Municipal Airport, are in close proximity to the Property. Accordingly,*
14 *in coordination with the Federal Aviation Administration, the Grantee ("FORA")*
15 *covenants and agrees, on behalf of it, its successors and assigns and every*
16 *successor in interest to the Property herein described, or any part thereof, that,*
17 *when applicable, there will be no construction or alteration unless a*
18 *determination of no hazard to air navigation is issued by the Federal Aviation*
19 *Administration in accordance with Title 14, Code of Federal Regulations, Part*
20 *77, entitled, Objects Affecting Navigable Airspace, or under the authority of the*
21 *Federal Aviation Act of 1968, as amended.*

22 **VIII. ENFORCEMENT AND NOTICE REQUIREMENT**

23
24 *A. The provisions of this Deed benefit the governments of the United*
25 *States of America, the State of California, acting on behalf of the public in*
26 *general, and the lands retained by the Grantor ("the Government") and,*
27 *therefore, are enforceable, by the United States, the State of California, and by*
28 *the Grantee ("FORA"), and its successors and assigns. Enforcement of this Deed*
29 *shall be at the discretion of the parties entitled to enforcement hereof, and any*
30 *forbearance, delay or omission to exercise their rights under this Deed in the*
31 *event of a breach of any term of this Deed, shall not be deemed to be a waiver by*
32 *any such party of such term or of any subsequent breach of the same or any other*
33 *terms, or of any of the rights of said parties under this Deed. All remedies*
34 *available hereunder shall be in addition to any and all other remedies at law or in*
35 *equity, including CERCLA. The enforcement rights set forth in this Deed against*
36 *the Grantee ("FORA"), or its successors and assigns, shall only apply with*
37 *respect to the Property conveyed herein and held by such Grantee ("FORA"), its*
38 *successors or assigns, and only with respect to matters occurring during the*
39 *period of time such Grantee ("FORA"), its successors or assigns, owned or*
40 *occupied such Property or any portion thereof.*
41

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 *B. The obligations imposed in this section upon the successors or assigns*
2 *of Grantee ("FORA") shall only extend to the Property conveyed to any such*
3 *successor or assign.*

4
5 **IX. OTHER CONDITIONS**

6
7 *Should the Property be considered for the proposed acquisition and*
8 *construction of school properties utilizing State funding, at any time in the future,*
9 *a separate environmental review process in compliance with the California*
10 *Education Code Section 17210 et seq., will need to be conducted and approved by*
11 *DTSC.*

12
13 **X. NOTICE OF NON-DISCRIMINATION**

14
15 *With respect to activities related to the Property, the Grantee ("FORA")*
16 *covenants for itself, its successors and assigns, that the Grantee ("FORA"), and*
17 *such successors and assigns, shall not discriminate upon the basis of race, color,*
18 *religion, sex, age, handicap, or national origin in the use, occupancy, sale or*
19 *lease of the Property, or in their employment practices conducted thereon in*
20 *violation of the provisions of Title VI of the Civil Rights Act of 1964, as amended*
21 *(42 U.S.C. § 2000d); the Age Discrimination Act of 1975 (42 U.S.C. § 6102); and*
22 *the Rehabilitation Act of 1973, as amended, (29 U.S.C. § 794). The Grantor ("the*
23 *Government") shall be deemed a beneficiary of this covenant without regard to*
24 *whether it remains the owner of any land or interest therein in the vicinity of the*
25 *Property hereby conveyed, and shall have the sole right to enforce this covenant*
26 *in any court of competent jurisdiction.*

27
28 The responsibilities and obligations placed upon, and the benefits provided to, the
29 **Grantor** by the Government shall run with the land and be binding on and inure to the benefit of
30 all subsequent owners of the Property unless or until such responsibilities, obligations, or
31 benefits are released pursuant to the provisions set forth in the MOA and the Government deed.
32 **Grantee** and its successors and assigns, respectively, shall not be liable for any breach of such
33 responsibilities and obligations with regard to the Property arising from any matters or events
34 occurring after transfer of ownership of the Property by **Grantee** or its successors and assigns,
35 respectively; provided, however, that each such party shall, notwithstanding such transfer, remain
36 liable for any breach of such responsibilities and obligations to the extent caused by the fault or
37 negligence of such party.

38
39 **General Provisions:**

40
41 A. Liberal Construction. Any general rule of construction to the contrary
42 notwithstanding, this Deed shall be liberally construed to effectuate the purpose of this Deed and
43 the policy and purpose of CERCLA. If any provision of this Deed is found to be ambiguous, an

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

1 interpretation consistent with the purpose of this Deed that would render the provision valid shall
2 be favored over any interpretation that would render it invalid.

3
4 B. Severability. If any provision of this Deed, or the application of it to any person
5 or circumstance, is found to be invalid, the remainder of the provisions of this Deed, or the
6 application of such provisions to persons or circumstances other than those to which it is found
7 to be invalid, shall not be affected thereby.

8
9 C. No Forfeiture. Nothing contained herein will result in a forfeiture or reversion of
10 title in any respect.

11
12 D. Captions. The captions in this Deed have been inserted solely for convenience of
13 reference and are not a part of this Deed and shall have no effect upon construction or
14 interpretation.

15
16 E. Right to Perform. Any right which is exercisable by the **Grantee**, and its
17 successors and assigns, to perform under this Deed may also be performed, in the event of non-
18 performance by the **Grantee**, or its successors and assigns, by a lender of the **Grantee** and its
19 successors and assigns.

20
21 The conditions, restrictions, and covenants set forth in this Deed are a binding servitude
22 on the herein conveyed Property and will be deemed to run with the land in perpetuity.
23 Restrictions, stipulations and covenants contained herein will be inserted by the **Grantee**
24 verbatim or by express reference in any deed or other legal instrument by which it divests itself
25 of either the fee simple title or any other lesser estate in the Property or any portion thereof. All
26 rights and powers reserved to the **Grantor**, and all references in this Deed to **Grantor** shall
27 include its successors in interest. The **Grantor** may agree to waive, eliminate, or reduce the
28 obligations contained in the covenants, PROVIDED, HOWEVER, that the failure of the **Grantor**
29 or its successors to insist in any one or more instances upon complete performance of any of the
30 said conditions shall not be construed as a waiver or a relinquishment of the future performance
31 of any such conditions, but the obligations of the **Grantee**, its successors and assigns, with
32 respect to such future performance shall be continued in full force and effect.

33
34 **[Signature Pages Follows]**

QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

IN WITNESS WHEREOF, the Grantor, the FORT ORD REUSE AUTHORITY, has caused these presents to be executed this 13th day of December, 2006.

THE FORT ORD REUSE AUTHORITY

By: Richard J. Houlman
EXECUTIVE
OFFICER

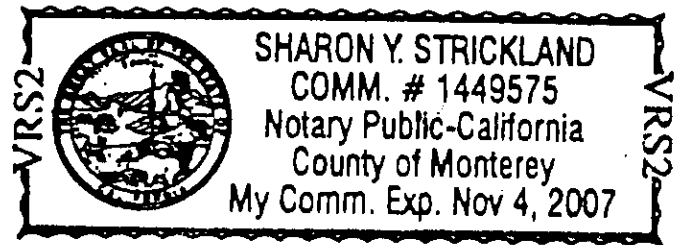
STATE OF CALIFORNIA)
) ss
COUNTY OF MONTEREY)

On 12-13-06 before me, Sharon Y. Strickland, Notary, personally appeared Michael A. Houlman, Jr.

personally know to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signatures(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the Instrument.

WITNESS my hand and official seal.

Signature Sharon Y. Strickland (Seal)



QUITCLAIM DEED FOR SEASIDE PARCELS E15.2, E20c.2.1, and L31

ACCEPTANCE:

IN WITNESS WHEREOF, the Grantee, the REDEVELOPMENT AGENCY OF THE CITY OF SEASIDE, hereby accepts and approves this Deed for itself, its successors and assigns, and agrees to all the conditions, reservations, restrictions, and terms contained therein and has caused these presents to be executed on this 14th day of DECEMBER, 2006.

REDEVELOPMENT AGENCY OF THE CITY OF SEASIDE

By [Signature] EXECUTIVE DIRECTOR

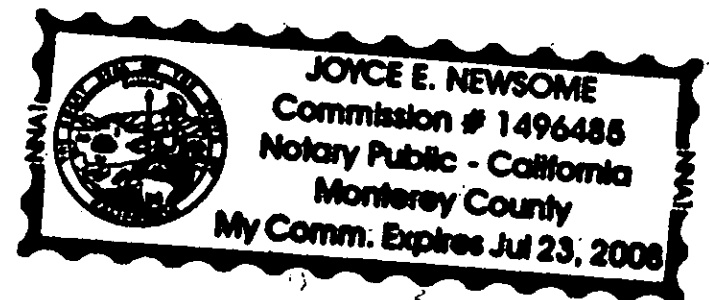
STATE OF CALIFORNIA)
)ss
COUNTY OF MONTEREY)

On 12-14-06 before me, JOYCE E. NEWSOME, Notary personally appeared

RAY CORPUZ

personally know to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the Instrument.

WITNESS my hand and official seal.



Signature [Signature]

(Seal)

[Handwritten mark]

EDC Parcel E15.2
FOST 8 & 9
Fort Ord Military Reservation
City of Seaside
Monterey County, California

Legal Description of Parcel E15.2

SITUATE in a portion of the former Fort Ord Military Reservation as it is shown on that certain map recorded in Volume 19 of Surveys at Page 1, Official Records of Monterey County, being within Monterey City Lands Tract No. 1 and Rancho Noche Buena, the City of Seaside, County of Monterey, State of California; being all of "Parcel 1" 28.74 acres as it is shown on that certain map recorded in Volume 23 of Surveys at Page 93 being more particularly described as follows:

BEGINNING at an angle point on the northerly boundary line of "Seaside II", as it is shown on the map recorded in Volume 23 of Surveys at Page 93 being also a point on the south boundary line of Parcel 1 as it is shown on that certain map recorded on June 15, 2000 in Volume 23 of Surveys at Page 93, and running thence from said Point of Beginning along the southerly line of said Parcel 1

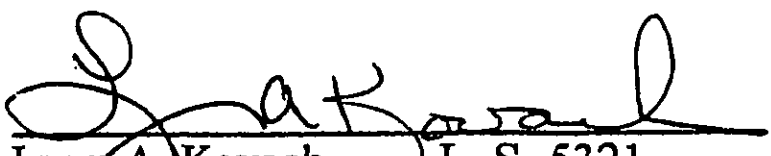
1. North 87° 33' 00" West for a distance of 1151.61 feet to an angle point in said boundary of said "Parcel 1" being also the northeasterly corner of Parcel 2 as it is shown on that certain map recorded in Volume 21 of Surveys at Page 83; thence along the common boundary line of said Parcel 2 and said "Parcel 1"
2. North 87° 33' 00" West for a distance of 544.80 feet to an angle point in said boundary of said "Parcel 1"; thence leaving the northerly boundary line of said Parcel 2
3. North 52° 03' 27" East for a distance of 561.84 feet to an angle point in said boundary of said "Parcel 1"; thence
4. North 62° 43' 31" East for a distance of 265.04 feet to an angle point in said boundary of said "Parcel 1"; thence
5. North 50° 58' 13" East for a distance of 219.31 feet to an angle point in said boundary of said "Parcel 1"; thence
6. North 38° 29' 39" East for a distance of 210.00 feet to an angle point in said boundary of said "Parcel 1"; thence
7. North 47° 58' 50" East for a distance of 424.00 feet to an angle point in said boundary of said "Parcel 1"; thence
8. North 77° 02' 10" East for a distance of 471.84 feet to an angle point in said boundary of said "Parcel 1"; thence

EDC Parcel E15.2
FOST 8 & 9
Fort Ord Military Reservation
City of Seaside
Monterey County, California

9. North 02° 00' 00" West for a distance of 42.70 feet to an angle point in said boundary of said "Parcel 1"; thence
10. North 88° 00' 00" East for a distance of 280.50 feet to an angle point in said boundary of said "Parcel 1"; thence
11. South 05° 40' 29" East for a distance of 18.97 feet to the beginning of a curve in said boundary of said "Parcel 1"; thence
12. Along a curve to the right through an angle of 43° 30' 35", having a radius of 357.00 feet, for an arc distance of 271.10 feet, and whose long chord bears South 16° 04' 48" West for a distance of 264.63 feet to a point of intersection with a tangent line; thence
13. South 37° 50' 06" West for a distance of 387.00 feet to the beginning of a curve; thence
14. Along a curve to the left through an angle of 35° 23' 06", having a radius of 268.00 feet, for an arc distance of 165.51 feet, and whose long chord bears South 20° 08' 33" West for a distance of 162.89 feet to a point of intersection with a tangent line; thence
15. South 02° 27' 00" West for a distance of 436.66 feet to the beginning of a curve; thence
16. Along a curve to the left through an angle of 90° 00' 00", having a radius of 50.00 feet, for an arc distance of 78.54 feet, and whose long chord bears South 42° 33' 00" East for a distance of 70.71 feet to a point of intersection with a non-tangential line; thence
17. South 02° 27' 00" West a distance of 63.99 feet to the POINT OF BEGINNING.

Containing an area of 28.740 acres, more or less.

This legal description was prepared by


Lynn A. Kovach L. S. 5321
My license expires December 31, 2005

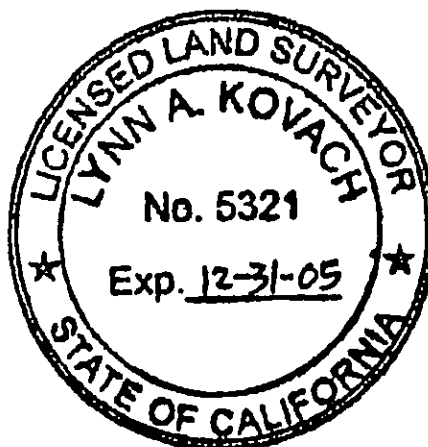
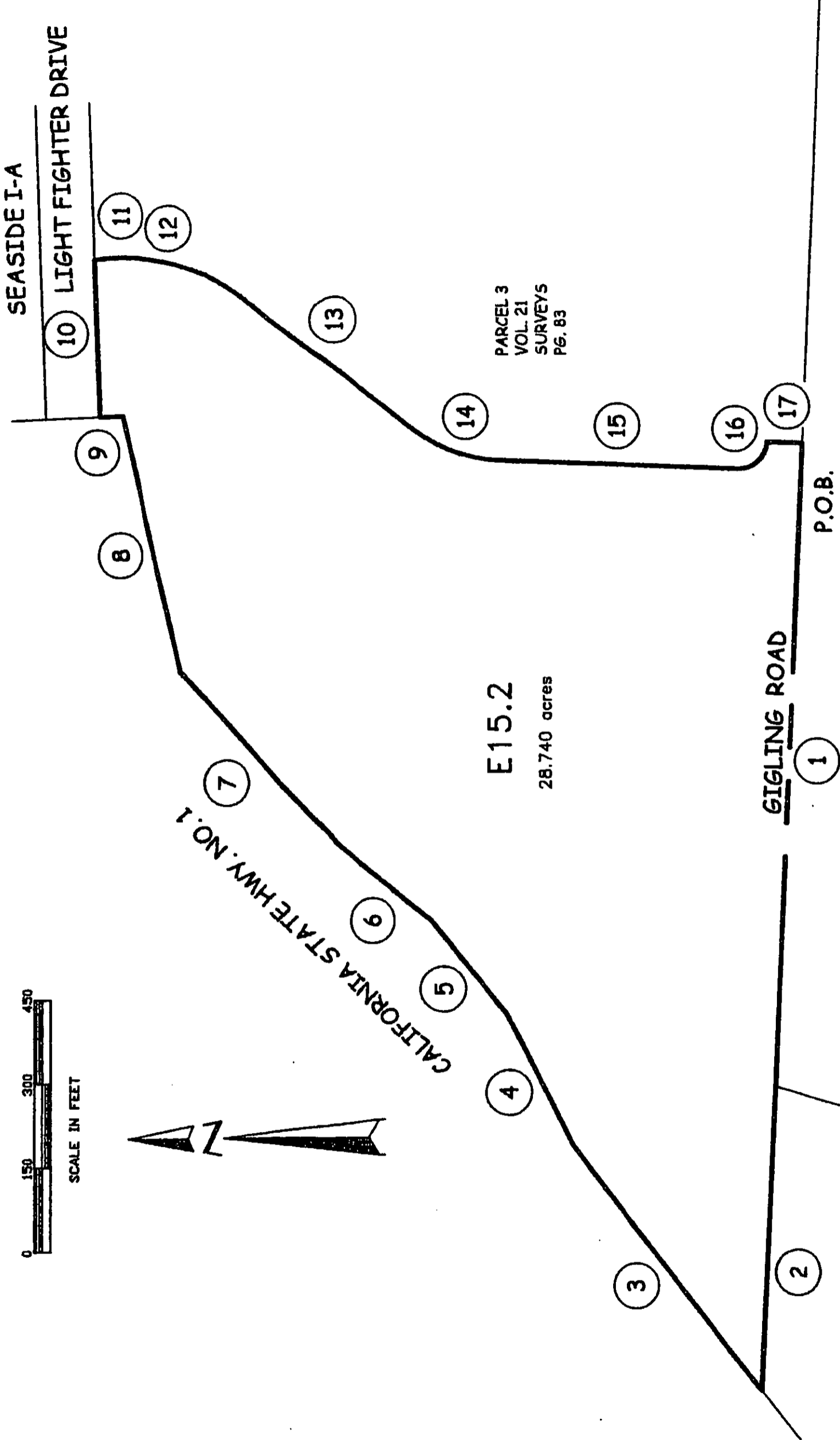


Exhibit 'A'



Note: Course Numbers Refer to the Legal Description

EXHIBIT OF

PARCEL E15.2
Seaside Jurisdiction, Fort Ord, FOST 9 EDC
Lying within "Seaside I-B"

as shown on Vol. 23 of Surveys at Page 93
Being also within Fort Ord Military Reservation and Monterey City Lands Tract No. 1
Monterey County, California

EDC Parcel L31 and E20c.2.1
FOST 8 & 9
Fort Ord Military Reservation
City of Seaside
Monterey County, California

Legal Description of Parcel 1

SITUATE in a portion of the former Fort Ord Military Reservation as it is shown on that certain map entitled "Seaside IV-A" recorded on June 15, 2000 in Volume 23 of Surveys at Page 99, Official Records of Monterey County, being within Monterey City Lands Tract No. 1, the City of Seaside, County of Monterey, State of California; being more particularly described as follows:

BEGINNING at the most westerly point on the common boundary of Parcel 1 as it is shown on said map of "Seaside IV-A" and Parcel 2 as it is shown on the map recorded in Volume 19 of Surveys at Page 22, Official Records of Monterey County, and running thence from said Point of Beginning along said common boundary

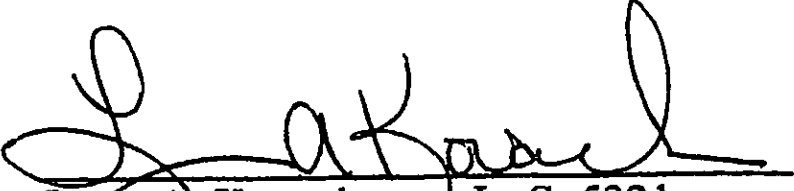
1. South 76° 00' 00" East for a distance of 642.29 feet to a point on said common boundary line; thence
2. South 61° 30' 00" East for a distance of 394.18 feet to a point on said common boundary line; thence
3. North 30° 00' 00" East for a distance of 272.25 feet to a point on said common boundary line at the most easterly corner of said Parcel 2 being also a point on the common boundary line of Parcel 1 as it is shown on the map recorded in Volume 19 of Surveys at Page 22; thence along the southerly boundary line of said Parcel 1 as it is shown on the map recorded in Volume 19 of Surveys at Page 22
4. South 53° 30' 00" East for a distance of 1898.00 feet to the most southerly point of said Parcel 1 as it is shown on the map recorded in Volume 19 of Surveys at Page 22; thence leaving said boundary of said Parcel 1
5. South 01° 00' 07" West for a distance of 180.36 feet to a point on a line; thence
6. South 80° 45' 00" West for a distance of 304.19 feet to a point on a line; thence
7. South 09° 15' 00" East for a distance of 19.48 feet to a point on a line; thence
8. North 74° 02' 25" West for a distance of 56.29 feet to a point on a line; thence
9. North 82° 34' 10" West for a distance of 100.13 feet to a point on a line; thence
10. North 75° 32' 45" West for a distance of 74.45 feet to a point on a line; thence

EDC Parcel L31 and E20c.2.1
FOST 8 & 9
Fort Ord Military Reservation
City of Seaside
Monterey County, California

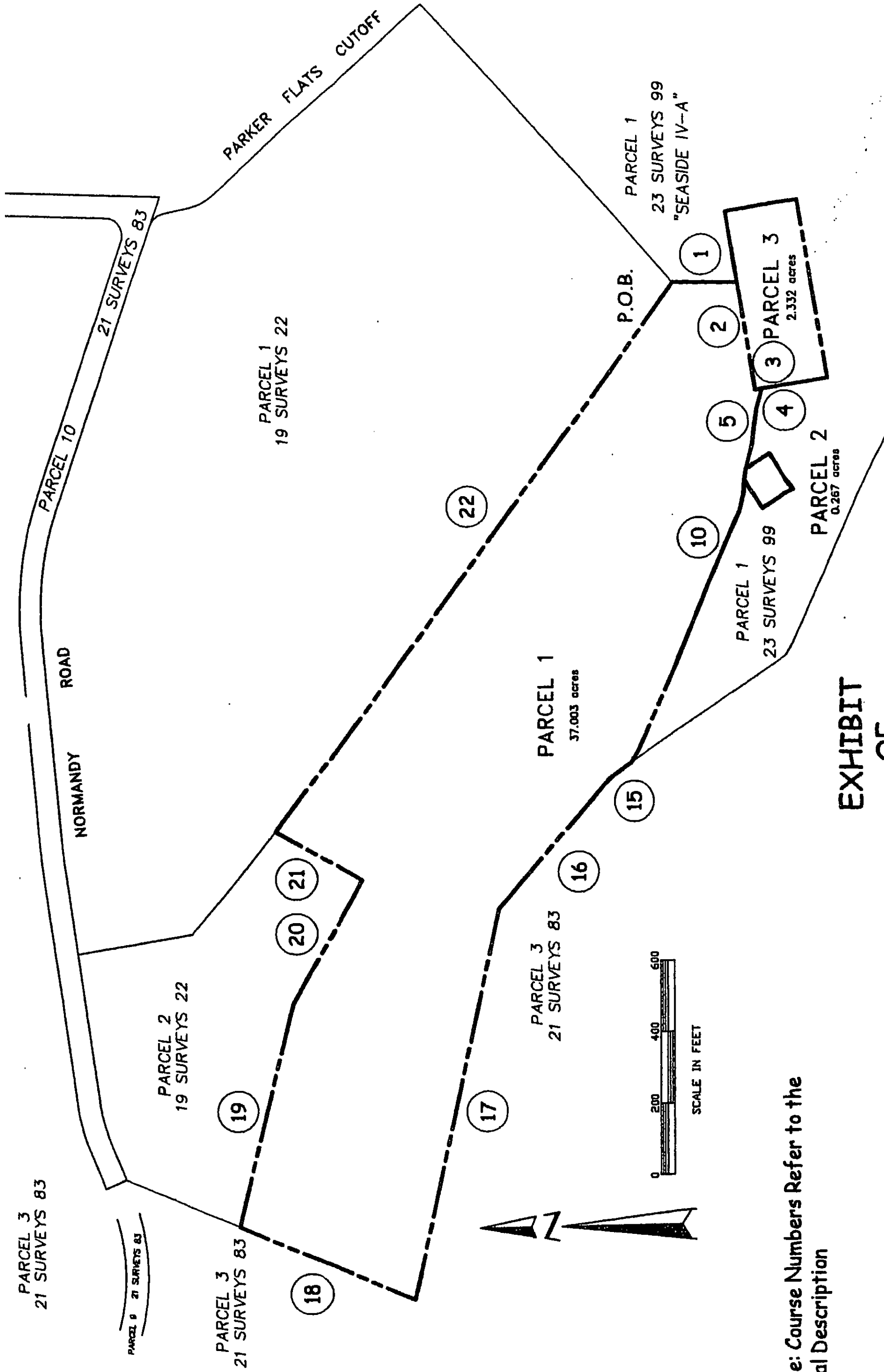
11. North 81° 53' 44" West for a distance of 31.67 feet to a point on a line; thence
12. North 86° 34' 34" West for a distance of 37.14 feet to a point on a line; thence
13. North 76° 20' 31" West for a distance of 51.91 feet to a point on a line; thence
14. North 66° 31' 44" West for a distance of 211.49 feet to a point on a line; thence
15. North 67° 15' 06" West for a distance of 161.61 feet to a point on a line; thence
16. North 68° 51' 20" West for a distance of 92.18 feet to a point on a line; thence
17. North 65° 40' 36" West for a distance of 257.89 feet to a point on a line; thence
18. North 57° 38' 22" West for a distance of 43.67 feet to a point on the southwesterly boundary line of said of Parcel 1 as it is shown on said map of "Seaside IV-A"; thence northwesterly along said boundary line
19. North 34° 04' 26" West for a distance of 73.00 feet to a point on said boundary line; thence
20. North 48° 33' 43" West for a distance of 482.33 feet to a point on said boundary line; thence
21. North 77° 42' 40" West for a distance of 1116.99 feet to a point on said boundary line; thence
22. North 22° 54' 16" East for a distance of 534.30 feet to the POINT OF BEGINNING.

Containing an area of 37.003 acres, more or less.

This legal description was prepared by


Lynn A. Kovach L. S. 5321
My license expires December 31, 2005





Note: Course Numbers Refer to the
Legal Description

**EXHIBIT
OF**

**PARCEL 1 - PARCELS L31 and E20c.2.1
Seaside Jurisdiction, Fort Ord, FOST 8 & 9 EDC**

Lying within "Seaside IV-A"

as shown on Vol. 23 of Surveys at Page 99

Being also within Fort Ord Military Reservation and Monterey City Lands Tract No. 1
Monterey County, California

**FINDING OF SUITABILITY TO TRANSFER
(FOST)**

FORMER FORT ORD, CALIFORNIA

**TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1
PLUG-IN PARCELS**

August 2005

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ATTACHMENTS

- 1 SITE MAPS OF THE PROPERTY
 - 1 Site Location Map
 - 2 Parcel Location Map
 - 3 Parcel Location Map – Parcels L31, L23.5.1, E20c.2.1, and E15.2
 - 4 Parcel Location Map – Parcels E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.2, and S4.1.1
 - 5 Parcel Location Map – Parcels S3.1.1, S3.1.2, S3.1.3, S3.1.4, and L20.15
 - 6 Parcel Location Map – Parcels L5.6.1, L5.6.2, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, and L20.14.2
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- 2 ENVIRONMENTAL DOCUMENTATION
- 3 TABLES
 - 1 Description of Property
 - 2 Track 0 Plug-in Parcels Associated with Track 1 Sites (Group C)
 - 3 Track 1 Parcels and Associated Track 1 Sites
 - 4 Applicable Decision Documents by Parcel
 - 5 Environmental Condition of Property
 - 6 Notification of Hazardous Substance Storage, Release, or Disposal
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 - 8 Disposal (Army Action) Impacts and Mitigation Measures
- 4 CERCLA NOTICE, COVENANT, AND ACCESS PROVISIONS AND OTHER DEED PROVISIONS
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**FINDING OF SUITABILITY TO TRANSFER (FOST)
FORMER FORT ORD, CALIFORNIA
TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1 PLUG-IN PARCELS**

July 2005

1.0 PURPOSE

The purpose of this Finding of Suitability to Transfer (FOST) is to document the environmental suitability of certain parcels or property (the Property) at the former Fort Ord, California, for transfer to the Fort Ord Reuse Authority (FORA), Monterey County, Monterey Peninsula College (MPC), the Veterans Transition Center, California Department of Parks & Recreation and California Department of Transportation (Caltrans) consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Section 120(h) and Department of Defense (DOD) and United States Army (Army) policy. In addition, the FOST includes the CERCLA Notice, Covenant, and Access Provisions and other Deed Provisions (Attachment 4) and the Environmental Protection Provisions (EPPs) (Attachment 5) necessary to protect human health or the environment after such transfer.

2.0 PROPERTY DESCRIPTION

The Property proposed for transfer consists of twenty-nine (29) parcels (approximately 1,894 acres) of developed and undeveloped land on the former Fort Ord (Plate 1 [Attachment 1]). The Property is intended to be transferred for a variety of uses, including state park facilities, roads and road improvements, education, habitat management, mixed use and development (Table 1 – Description of Property [Attachment 3]). This is consistent with the intended reuse of the Property as set forth in the Fort Ord Reuse Authority (FORA) Fort Ord Reuse Plan. A parcel location map is provided in Plate 2 (Attachment 1) and detailed site maps of the Property are provided in Plates 3 through 9 (Attachment 1).

Twenty-two (22) of the parcels are within Track 0¹ areas and are adjacent to or overlapped by Track 1² munitions response sites (MRS)³. The *Final Record of Decision, No Action Regarding*

¹ Track 0 areas at the former Fort Ord are those that contain no evidence of munitions and explosives of concern (MEC) and have never been suspected of having been used for military munitions-related activities of any kind. This definition has been clarified in the *Explanation of Significant Differences, Final Record of Decision, No Action Regarding Ordnance-Related Investigations (Track 0 ROD), Former Fort Ord, California (March 2005)* to include areas not suspected as having been used for military munitions-related activities of any kind, but where incidental military munitions have been discovered.

² Track 1 sites at the former Fort Ord are those sites where military munitions were suspected to have been used, but based on the RI/FS for each site, it falls into one of the following three categories: Category 1: There is no evidence to indicate military munitions were used at the site (i.e., suspected training did not occur); or Category 2: The site was used for training, but the military munitions items used do not pose an explosive hazard (i.e., training did not involve explosive items); or Category 3: The site was used for training with military munitions, but military munitions items that potentially remain as a result of that training do not pose an unacceptable risk based on site specific evaluations conducted in the Track 1 OE RI/FS. Field investigations identified evidence of past training involving military munitions, but training at these sites involved only the use of practice and/or pyrotechnic items that are not designed to cause injury. In the unlikely event that a live item of the type previously observed at the site is found, it is not expected that the item would function by casual contact (i.e., inadvertent and unintentional contact).

Ordnance-Related Investigation, Former Fort Ord, California (Track 0 ROD; June 19, 2002) addresses selected land parcels and provides a "Plug-In" process to address future land parcels that are considered eligible for inclusion into the Track 0 process. The Track 0 No Action ROD Plug-In process addresses areas of land at the former Fort Ord that have no history of military munitions use and for which No Action is necessary to protect human health and the environment. The portions of these 22 parcels within Track 0 areas have been addressed through the Plug-In process in the *Track 0 Plug-In Approval Memorandum, Selected Parcels – Group C Former Fort Ord, California* dated July 1, 2005. The portions of these 22 parcels within Track 1 sites are addressed by the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern—Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22)* (Track 1 ROD; March 10, 2005). The Track 1 ROD also provides a Plug-In process to address future sites that are considered eligible for inclusion into the Track 1 process. No further action related to munitions and explosives of concern (MEC) (explosive munitions items) is required at Track 1 sites because MEC is not expected. Track 1 sites were evaluated through the remedial investigation/feasibility study (RI/FS) process and documented in the *Final Track 1 Ordnance and Explosives, Remedial Investigation/Feasibility Study, Former Fort Ord California* dated June 21, 2004 and the *Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area, Former Fort Ord, California* dated May 6, 2005 which provided the site-specific rationale for assigning Track 1 status. All 22 Track 0 Plug-In parcels and associated Track 1 sites are listed in Table 2 – Track 0 Plug-In Parcels Associated with Track 1 Sites (Group C) (Attachment 3). The remaining seven (7) parcels are entirely within Track 1 sites. The Track 1 ROD also addresses these parcels, which are listed with associated Track 1 sites in Table 3 – Track 1 Parcels and Associated Track 1 Sites (Attachment 3).

3.0 ENVIRONMENTAL DOCUMENTATION AND SITE INSPECTION

The Army made a determination of the Environmental Condition of the Property (ECP) by reviewing existing environmental and military munitions response-related documents and making an associated visual site inspection. A complete list of the documents reviewed is provided in Attachment 2 and the site inspection was conducted in January and February 2005. For each parcel in the FOST, the specific decision documents that support the determination that the Property is suitable for transfer are listed in Table 4 – Applicable Decision Documents by Parcel (Attachment 3).

4.0 ENVIRONMENTAL CONDITION OF PROPERTY

On the basis of environmental condition, parcels are placed in one of seven Community Environmental Response Facilitation Act (CERFA)/DOD Environmental Condition of Property (ECP) Categories⁴. Only parcels in ECP Categories 1 through 4 are suitable for transfer through

³ Terminology describing military munitions and related names, places, actions and conditions is presented in Attachment 6.

⁴ ECP Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent area).

ECP Category 2: Areas where only release or disposal of petroleum products has occurred.

ECP Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

a FOST. Table 5 – Environmental Condition of Property (Attachment 3) lists the parcels in this FOST, the corresponding ECP Category, and brief descriptions of necessary remedial actions that have been taken. The ECP Categories and the corresponding parcels in this FOST are as follows:

ECP Category 1 Parcels: E11a, E11b.6.2, E15.2, E20c.2.1, L20.13.5, L20.14.1.1, L20.14.2, L20.15, L20.6, L31, S3.1.3, and S3.1.4

ECP Category 2 Parcels: L23.5.1

ECP Category 3 Parcels: E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, L9.1.1.2, and L9.1.2.2

ECP Category 4 Parcels: E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1, L5.6.2, S3.1.1, S3.1.2, and S4.1.1

ECP Category 5 Parcels: No parcels in this FOST are in this category.

ECP Category 6 Parcels: No parcels in this FOST are in this category.

ECP Category 7 Parcels: No parcels in this FOST are in this category.

A summary of the ECP Categories for the Property is provided in Table 5 – Environmental Condition of Property (Attachment 3).

Community Environmental Response Facilitation Act (CERFA) Report

The Final CERFA Report, Fort Ord, Monterey, California (*April 1994*) summarized the CERFA investigation conducted at the former Fort Ord and classified Fort Ord property as “Uncontaminated,” “Qualified⁵,” or “Disqualified⁶.” Qualified areas were identified based on the potential presence of unexploded ordnance (UXO)⁷, radon, radionuclides (contained within products being used for their intended purposes), asbestos (contained within building materials), or lead-based paint (present on building material surfaces). Disqualified areas were identified based on evidence of release, disposal, or storage for more than one year of a CERCLA hazardous substance, petroleum, or petroleum derivative; or a portion of the installation

ECP Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.

ECP Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required actions have not yet been taken.

ECP Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.

ECP Category 7: Areas that have not been evaluated or require additional evaluation.

⁵ CERFA parcel with qualifier - A portion of the installation real property for which investigation revealed no evidence of a release or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of the parcel being threatened by migration of such substances from outside the parcel. The parcel does however contain environmental, hazard, or safety issues, including asbestos contained in building materials or lead-based paint applied to building material surfaces.

⁶ CERFA disqualified parcel – A portion of the installation real property for which investigation revealed evidence of a release or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives or the parcel being threatened by migration of such substances from outside the parcel.

⁷ The term “munitions and explosives of concern (MEC)” is not used here because the CERFA Report is specific to UXO (see Attachment 6).

threatened by such release or disposal. The U.S. Environmental Protection Agency (US EPA) concurred with the Army's determination of "uncontaminated" for 60 CERFA parcels at the former Fort Ord in a letter dated April 19, 1994. In this letter, US EPA specifically concurred that parcels having buildings with probable lead-based paint (LBP) could be considered uncontaminated because the information in the CERFA Report did not indicate that there are residual levels of LBP on these parcels presenting a threat to human health or the environment. Under the DOD Authorization Act for 1997, the U.S. Congress expanded the definition of "Uncontaminated Property" to include the storage of hazardous substances, petroleum products and their derivatives provided there was no release or disposal of these materials. Table 5 – Environmental Condition of Property (Attachment 3) includes a list of the Track 1 and Track 0 Plug-in C Parcels, the CERFA classification assigned, and rationale.

Parcels located within areas originally identified as CERFA Qualified or Disqualified, but through additional site investigation were determined to be Uncontaminated (DOD Category 1), are described below.

Parcel E11a

This Track 0 plug-in parcel was categorized as CERFA Uncontaminated; however, portions of the parcel include Munitions Response Sites (MRS)-27Y and MRS-66, which were identified after the completion of the CERFA investigation (Plate 7 [Attachment 1]). MRS-27Y and MRS-66 were categorized as Track 1 sites, evaluated in the Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study (OE RI/FS) and, in accordance with the Track 1 ROD (*March 10, 2005*), require no further action related to MEC. MRS-27Y and MRS-66 were also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the Basewide Range Assessment (BRA), as described in the *Comprehensive Basewide Range Assessment Report, Former Fort Ord, California* (BRA Report; March 31, 2005). Under the BRA MRS-27Y was identified as historical area (HA)-157 and MRS-66 was identified as HA-196. In accordance with the findings of the BRA Report, no further action related to chemical contamination is required for HA-157 (MRS-27Y). In accordance with the findings of the BRA Report, no further investigation for chemical contamination is required for HA-196 (MRS-66).

Based on this information Parcel E11a meets the definition of CERFA Uncontaminated property.

Parcel E11b.6.2

This Track 1 parcel was categorized as CERFA Uncontaminated; however, the parcel includes a small portion of the area evaluated as part of the overall investigation of Site 39A, East Garrison Ranges, and a portion of MRS-59A, which was identified after the completion of the CERFA investigation (Plate 8 [Attachment 1]). A release at Site 39A (Interim Action Site 39A) occurred in the target areas of the former small arms ammunition firing ranges approximately 600 feet to the north and northeast and outside of the parcel boundary.

MRS-59A was categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-59A was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA MRS-59A was included within HA-189. The

evaluation of HA-189 included a literature search, site reconnaissance, and mapping. In accordance with the findings of the BRA Report, no further investigation for chemical contamination is required for HA-189 (including MRS-59A).

Based on this information Parcel E11b.6.2 meets the definition of CERFA Uncontaminated property.

Parcel E15.2

A portion of this Track 0 plug-in parcel was categorized as CERFA Qualified because it includes MRS-20 (Plate 3 [Attachment 1]). MRS-20 (Recoilless Rifle Training Range) was categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. Historical research and military munitions sampling conducted at this site found no evidence of past training involving military munitions. As identified on the 1957 Training Facilities Map, some of the boundary of the "Recoilless Rifle Training Area" lies outside of the boundary of MRS-20 delineated in the ASR; however, because of its location, proximity to existing housing, Highway 1 and other developed areas, it is unlikely MRS-20 or additional areas identified on the 1957 Training Facilities Map would have been used for training with military munitions. As discussed in the Track 1 OE RI/FS, training at this site probably involved weapon familiarization, including the proper handling, deployment, and care of recoilless rifles. MRS-20 was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA, MRS-20 was identified as HA-122. In accordance with the findings of the BRA Report, no further action related to chemical contamination is required for HA-122 (MRS-20). A portion of the parcel was categorized as CERFA Qualified because of the presence of asbestos containing material (ACM) and probable lead-based paint (LBP) in buildings that are adjacent to the parcel; however, no buildings are present on Parcel E15.2. The remainder of the parcel was categorized as CERFA Uncontaminated.

Based on this information Parcel E15.2 meets the definition of CERFA Uncontaminated property.

Parcel E20c.2.1 and L31

Track 0 Plug-in Parcel E20c.2.1 was categorized as CERFA Uncontaminated (Plate 3 [Attachment 1]). A portion of Track 0 Plug-in Parcel L31 was categorized as CERFA Uncontaminated and the remainder of the parcel was categorized as CERFA Qualified because of the presence of ACM and probable LBP in buildings that are adjacent to the parcel; however, no buildings are present on Parcel L31. Both parcels include a portion of MRS-49 identified after the completion of the CERFA investigation. MRS-49 was categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-49 was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA, MRS-49 was identified as HA-179. In accordance with the findings of the BRA Report, no further investigation for chemical contamination is required for HA-179 (MRS-49).

Based on this information Parcels E20c.2.1 and L31 meet the definition of CERFA Uncontaminated property.

Parcels L20.15, S3.1.3, and S3.1.4

These Track 1 parcels were categorized as CERFA Disqualified because they were included within the area of Installation Restoration Program (IRP) Site 3 (MRS-22) (Plate 5 [Attachment 1]), where there was a release of lead related to range activities and because of the presence of construction debris and vehicle parts within Parcel S3.1.3. Remediation at IRP Site 3 included the excavation of approximately 162,800 cubic yards of impacted soil and spent ammunition; however, none of these three parcels lie within the areas historically used for small arms ranges in IRP Site 3 and did not require remediation.

These three parcels were also categorized as CERFA Qualified because of the presence of ACM, LBP and MRS-22. MRS-22 is categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and in accordance with the Track 1 ROD, requires no further action related to MEC.

MRS-22 was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA, MRS-22 was identified as HA-124, which includes HA-1 through HA-17⁸. In accordance with the findings of the BRA Report, no further action related to chemical contamination is required for HA-124.

Based on this information Parcels L20.15, S3.1.3 and S3.1.4 meet the definition of CERFA Uncontaminated property.

Parcel L20.6

This Track 1 parcel was categorized as CERFA Uncontaminated; however, the parcel includes MRS-62, which was identified after the completion of the CERFA investigation (Plate 9 [Attachment 1]). MRS-62 was categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-62 was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA MRS-62 was identified as HA-192. In accordance with the findings of the BRA Report, no further investigation for chemical contamination is required for HA-192 (MRS-62).

Based on this information Parcel L20.6 meets the definition of CERFA Uncontaminated property.

Parcel L20.13.5

This Track 0 plug-in parcel (Plate 10 [Attachment 1]) was categorized as CERFA Qualified because of its proximity to the former Impact Area; however, this parcel comprises a portion of South Boundary Road and is located outside of the fenced Impact Area. No evidence was observed during the CERFA assessment to indicate storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; therefore, this parcel meets the definition of CERFA Uncontaminated property.

⁸ The designations of the individual ranges at the Beach Ranges complex under the BRA.

Parcels L20.14.1.1 and L20.14.2

These Track 0 plug-in parcels comprise portions of Intergarrison Road and associated right-of-ways. The parcels were categorized as CERFA Uncontaminated; however, the parcels include a portion of MRS-27Y identified after the completion of the CERFA investigation (Plate 7 [Attachment 1]). MRS-27Y was categorized as a Track 1 site, evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-27Y was also evaluated for the potential presence of chemical contamination related to the use of military munitions as part of the BRA. Under the BRA MRS-27Y was identified as HA-157. In accordance with the findings of the BRA Report, no further action related to chemical contamination is required for HA-157 (MRS-27Y).

Based on this information Parcels L20.14.1.1 and L20.14.2 meet the definition of CERFA Uncontaminated property.

4.1 Environmental Remediation Sites

There were nine remediation sites located on the Property. The environmental remediation sites on the Property are described below. All environmental soil and groundwater remediation activities on the Property have been completed or are in place and operating properly and successfully; however, portions of the Property have not remediated to levels suitable for unrestricted use. The deeds for these portions of the Property will include restrictions on the use of groundwater as described in the Covenant to Restrict Use of Property – Environmental Restrictions (Special Groundwater Protection Zone) (CRUP). A summary of the environmental remediation sites by parcel is provided in Table 5 – Environmental Condition of Property (Attachment 3).

This section provides a summary of Installation Restoration Program (IRP) activities conducted to date at operable units and CERCLA sites located on the Property. Seven IRP sites are located on the Property in whole or in part within Parcels S3.1.1, S3.1.2 and S3.1.4, (Site 1/FTO-059, Site 2/FTO-012, Site 3 and Outfall 15) (Plates 4 and 5 [Attachment 1]); Parcel E4.3.2.1 (Site 26) (Plate 6 [Attachment 1]); Parcel S4.1.1 (Site 28) (Plate 4 [Attachment 1]); and Parcel E11b.6.2 (Site 39A) (Plate 8 [Attachment 1]). The investigation of the IRP sites was conducted under the Fort Ord Basewide Remedial Investigation/Feasibility Study (RI/FS) program. One Operable Unit is also located on the Property.

4.1.1 No Action Sites

IRP Sites 26 and 28 were categorized as No Action Sites. The No Action Plug-In Record of Decision (ROD) (*February 16, 1995*) for all No Action Sites was signed by the regulatory agencies in the spring of 1995. Documentation that site-specific no action criteria were met is provided in the Approval Memoranda process. The overall process is referred to as the “plug-in” process because the Approval Memoranda plug-in to the No Action ROD. The US EPA and the DTSC concurred that Sites 26 and 28 met the criteria for No Action in letters dated September 25, 1995 and October 10, 1995, respectively.

4.1.2 Interim Action Sites

Three sites (Site 1, Site 39A, and Outfall 15) on the Property were categorized as Interim Action (IA) Sites based on the results of site characterization activities. By definition, IA sites have limited surficial soil contamination that can be addressed by excavation and follow-up confirmation sampling. The selected interim action completed at each site addressed immediate, imminent, and/or significant risks to human health and the environment posed by limited contaminated soil. The *Interim Action Record of Decision, Contaminated Surface Soil Remediation* (IA ROD; February 23, 1994) presented remedial alternatives to be implemented at IA sites. The IA ROD was signed by the DTSC and the US EPA in March 1994. A discussion of the interim actions conducted at these three sites follows.

Site 1. IRP Site 1 (SWMU FTO-059) was investigated during the Basewide RI/FS for hazardous and toxic waste (HTW). Mercury was detected in soil samples collected near a former trickling filter at concentrations exceeding the Preliminary Remediation Goal (PRG). Low concentrations of fecal coliform were also detected. An additional investigation was conducted to address agency concerns about elevated mercury levels within soil at the former trickling facility and to evaluate the suitability of disposing treated sewage residue from the sludge-drying beds at the OU2 Landfills. Soil samples were collected from the sludge drying beds, the holding ponds and from the former trickling filter area. Based on the data from the additional investigation, the soil at the former trickling filter was recommended for removal under the IA ROD (*February 23, 1994*). Approximately 740 cubic yards of soil were removed as part of the IA activities. The cleanup of SWMU FTO-059 is described in Section 4.2.1. The Site 1 IA Confirmation Report was submitted to the regulatory agencies in December 1997. The US EPA and the DTSC concurred that contamination was adequately remediated and no further action was necessary at Site 1 in letters dated April 6, 1998 and April 11, 2005, respectively.

Site 39A. The initial IA at Site 39A (East Garrison Ranges) was completed in 1998 and included the removal of soils in four study areas, which contained lead, arsenic, and polynuclear aromatic hydrocarbons (PAHs) exceeding PRGs. These exceedences resulted from accumulation of expended small arms ammunition, lead shot, and clay target fragments. None of the study areas are located on the Property. The Site 39A IA Confirmation Report for the four study areas was submitted to the regulatory agencies in October 1998. The US EPA concurred that no further action is necessary at Site 39A in a letter dated February 2, 2002. The DTSC withheld concurrence and requested that additional evaluation of accumulations of clay target fragments and lead shot be conducted within a former trap and skeet range, which is not located on the Property. In the summer of 2004, the Army excavated the clay target fragments and lead shot in question and conducted confirmation sampling within this area. The *Final Report, Clay Target Debris and Lead Shot Management, East Garrison Trap and Skeet Range* was submitted to the DTSC in March 2005. The DTSC concurred that no further action is necessary in a letter dated April 11, 2005.

A follow-up IA is proposed at two former small arms ammunition firing ranges located within Site 39A, but also not on the Property. These ranges (historical areas [HA]-80 and HA-85) were identified during the historical literature search performed during the Comprehensive Basewide Range Assessment (BRA). The proposed IA will include the removal of shallow soil containing lead at IA Areas 39A HA-80 and 39A HA-85 (*Approval Memorandum, Proposed Interim Action*

Excavation, IA Areas 39A HA-80 and 39A HA-85, Site 39A, East Garrison Ranges, Former Fort Ord, California, April 2005). The estimated volume of soil to be removed is 900 cubic yards.

Outfall 15 (OF-15). Surface water outfall OF-15 was identified for characterization under the Basewide RI/FS. OF-15 discharges to Parcel S3.1.1. Soil samples were collected at the discharge point and downgradient of OF-15. Based on the results of the characterization sampling removal of soil impacted with total petroleum hydrocarbons, arsenic, lead and dieldrin was recommended for removal under the IA ROD (*February 23, 1994*). Approximately 430 cubic yards of soil were removed as part of the IA activities. The Outfall 15 Confirmation Report was submitted to the regulatory agencies in September 1998. The US EPA and the DTSC concurred that contamination was adequately remediated and no further action was necessary at Outfall 15 in letters dated March 16, 2005 and April 11, 2005, respectively.

4.1.3 Remedial Investigation Sites

Site 2. IRP Site 2 (SWMU FTO-012) was investigated during the Basewide RI/FS for HTW. The primary chemicals of concern detected in soil were low concentrations of metals. A baseline human health risk assessment that included exposure of an onsite worker to soil (ingestion and dermal contact) and dust (inhalation) at the site was performed and risks were below the US EPA's threshold values. Based on the risk assessment no remedial action was proposed for soil at IRP Site 2 in the *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California* (Basewide RI Sites ROD; January 13, 1997); however, as described in Section 4.2.1, all sludge remaining in the STP sludge drying beds and evaporation ponds was removed as part of the maintenance and cleanup activities at the STP (SWMU FTO-012). The Basewide RI Sites ROD was signed by the DTSC on January 16, 1997, by the US EPA on January 17, 1997, and by the Regional Water Quality Control Board (RWQCB) on January 22, 1997.

Sites 2 and 12. The Sites 2 and 12 groundwater plume is being remediated by extraction and treatment in accordance with the Basewide RI Sites ROD (*January 13, 1997*). Since installation and start-up of the Sites 2 and 12 groundwater treatment system (*April 1999*), the extent of the plume has been significantly reduced. The Sites 2 and 12 Groundwater Remedy Operating Properly and Successfully Evaluation Report was submitted to the regulatory agencies in November 2001. On July 3, 2002, the Army received concurrence from the US EPA that the pump-and-treat system for remediation of the Site 2 and 12 groundwater plume is in place and operating "properly and successfully."

Site 3. Site 3 (Beach Trainfire Ranges) was investigated during the Basewide RI/FS for HTW. The site was used for small arms training beginning in the 1940s. Spent bullets accumulated on the east-facing (leeward) sides of the sand dunes that formed the "backstops" for the targets and in areas prone to erosion between sand dunes. The Basewide HTW RI/FS evaluated cleanup alternatives for soil containing lead and other metals to protect human health.

The *Interim Record of Decision, Site 3, Beach Trainfire Ranges, Fort Ord, California* (Site 3 Interim ROD; January 13, 1997) described the selected cleanup remedy for Site 3 to address potential risks to human health due to the presence of lead and other metals in soil at the site. The Site 3 Interim ROD was signed by the DTSC on January 16, 1997, by the US EPA on January 17, 1997 and by the RWQCB on January 22, 1997. The selected remedy consisted of the excavation of contaminated soil and spent ammunition. After the cleanup was completed,

post-remediation sampling determined that the remaining site-wide average lead concentration in soil was 161 milligrams per kilogram (mg/kg). The results of the post-remediation human health risk assessment confirmed that the cleanup of the heavy bullet distribution areas was protective of humans assuming future development of Site 3 as a State Park. The DTSC and the US EPA concurred with these findings in letter dated July 21, 2000 and September 20, 2000, respectively.

Following cleanup of the heavy bullet density areas, a Post-Remediation Ecological Risk Assessment was conducted to confirm that the cleanup was protective of plants and animals at the site. Based on the data collected at the site following cleanup, it was concluded that significant risks to populations of plants and animals from exposure to the lead and other metals remaining in soil at the site are not expected.

In accordance with the Track 1 ROD, no further remedial action with monitoring at Site 3 (MRS-22) is required for the following reasons: (1) a substantial portion of bullets and contaminated soil have been removed from the site; (2) data collected before and after cleanup show that the remaining average site-wide concentrations of lead in soil is 161 mg/kg; and (3) the ecological sampling to date has shown that the cleanup appears to be protective of populations of plants and animals at the site and residual contamination in place is not likely to adversely affect the following federally listed species: Western snowy plover, Smith's blue butterfly, sand gilia, Monterey spineflower, Contra Costa goldfields, or Yadon's piperia. The Track 1 ROD was signed by the DTSC on March 30, 2005, by the RWQCB on April 4, 2005 and by the US EPA on April 7, 2005.

Ecological monitoring will be conducted at Site 3 (MRS-22) to confirm the results of the ecological risk assessments and evaluations conducted to date. Monitoring will be conducted pursuant to an approved work plan developed pursuant to Section 8.3 of the Fort Ord FFA (*November 19, 1990*). This data will be evaluated in conjunction with previous ecological risk assessment and evaluation data during the five-year reviews to assess the need for continued ecological monitoring and make sure the decision remains protective of the environment. The next five-year review will occur in 2007.

The DTSC has elected to undertake the following additional precautions at Site 3 (MRS-22): the DTSC will enter into Memorandum of Understanding (MOU) for further surveillance with the California Department of Parks and Recreation, which will be acquiring Site 3 (MRS-22); the DTSC also intends to enter into a Land Use Covenant (LUC) with the California Department of Parks and Recreation to enhance protection of human health. The MOU and LUC will address further monitoring and use of the land at Site 3 (MRS-22).

4.1.4 Operable Units (OUs)

OU2 Landfills. The Fort Ord Landfills (SWMU FTO-002) were used for approximately 30 years for residential and commercial waste disposal. The landfills cover approximately 150 acres and include the inactive main landfill (Areas B through F, south of Imjin Road) and north landfill (Area A, north of Imjin Road). Portions of Parcels E4.6.1, L5.6.1, and L5.6.2 are included within Area A (Plate 6 [Attachment 1]). All of Area A and some perimeter areas of the main landfill were removed and consolidated into the main landfill south of Imjin Road. The selected remedial action included excavation of the Area A landfill refuse and impacted soil, disposal of the material in the main OU2 Landfills, backfilling the Area A excavation, and

installation of an engineered cover system over the main landfill. This soil consolidation action allowed for clean closure of Area A as described in the Remedial Action Confirmation Report and Post-Remediation Risk Evaluation for Area A and the Remedial Action Construction Completion Report for Areas A through F. The RWQCB provided comments on and approval of the reports in a letter dated April 25, 2003. The letter also stated the RWQCB would be changing the OU2 Landfills permitting to reflect its closed status. The draft final document, dated January 31, 2005, was issued on February 2, 2005. The regulatory agencies had no additional comments and the document became final in March 2005 in accordance with the provisions of the Fort Ord FFA (November 19, 1990). Additional information regarding the OU2 Landfills is provided in Sections 4.2.1, 4.2.2 and 5.1.

4.2 Storage, Release, or Disposal of Hazardous Substances

There is no evidence that hazardous substances were stored, released, or disposed of on parcels E11a, E11b.6.2, E15.2, E20c.2.1, L20.13.5, L20.14.1.1, L20.14.2, L20.6 and L31 in excess of the 40 Code of Federal Regulations (CFR) Part 373 reportable quantities. The CERCLA 120(h)(4) Notice and Covenant at Attachment 4 will be included in the Deed for these parcels.

Hazardous substances were released on portions of the Property in excess of reportable quantities specified in 40 CFR Part 373. The release of these hazardous substances affects parcels E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L20.15, L5.6.1, L5.6.2, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.2, S3.1.3, S3.1.4, and S4.1.1. All hazardous substance storage operations have been terminated on the Property. Hazardous substances were released in excess of the 40 CFR Part 373 reportable quantities at sites described in Sections 4.2.1, 4.2.2, and 4.2.3 of this FOST. The release of hazardous substances at these sites was remediated as part of the Installation Restoration Program (IRP) in compliance with CERCLA. All necessary response actions have been taken and are described in this section and Section 4.1. A summary of the areas in which hazardous substance releases occurred is provided in Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal (Attachment 3). The CERCLA 120(h)(3) Notice and Covenant at Attachment 4 will be included in the Deed for these parcels.

4.2.1 Solid Waste Management Units (SWMUs)

Three former SWMUs (FTO-002, FTO-012 and FTO-059) are located on the Property. SWMU FTO-002 was identified as a former disposal area and includes portions of Parcels E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1, and L5.6.2; however, a buffer zone with a minimum width of 100 feet has been established around the actual former disposal area (Operable Unit 2 [OU2] Landfills) and no part of the OU2 Landfills is within any of these parcels (Plate 6 [Attachment 1]). FTO-012 and FTO-059 include portions of Parcel S3.1.1. SWMUs FTO-012 and FTO-059 are former sewage treatment plants.

SWMUs FTO-002 and FTO-012 were identified during a 1988 Army Environmental Hygiene Agency (AEHA; reorganized in 1994 as the U.S. Army Center for Health Promotion and Preventive Medicine [USACHPPM]) investigation. In 1996, under the Resource Conservation and Recovery Act (RCRA) and CERCLA integration that occurred as part of base closure, an inspection was completed for all SWMUs identified in 1988. During this inspection, several new SWMUs were identified, including SWMU FTO-059. The following summarizes the investigation activities conducted at the three former SWMUs on the Property.

SWMU FTO-002 (Abandoned Landfill) was identified during the 1988 AEHA investigation. The 1988 AEHA Interim Final Report on SWMUs noted that SWMU FTO-002 was a source of groundwater contamination. Remedial action construction at SWMU FTO-002 has been completed in accordance with the Operable Unit 2 (OU2) Landfills Record of Decision (ROD) (*July 15, 1994*) and as described in the Remedial Action Construction Completion Report. As part of that remedial action landfill material (refuse) buried within Parcels E4.6.1, L5.6.1, and L5.6.2 (Area A), including a portion of MRS-13A, was completely excavated and consolidated in areas of the OU2 Landfills to the south of the parcels. Area A has been identified as a "Special Case" Track 0 Area as described in Section 4.9. This work is summarized in the *Draft Final Remedial Action Confirmation Report and Post-Remediation Screening Risk Evaluation, Area A Operable Unit 2 Landfills, Former Fort Ord, California, April 2001, Revision 0*. The report and screening risk evaluation concluded adverse health effects are unlikely to occur and no further action at Area A is necessary. This document is appended to the Remedial Action Construction Completion Report for the OU2 Landfills. The draft final of this document, dated January 31, 2005, was issued on February 2, 2005. The regulatory agencies had no additional comments and the document became final in March 2005 in accordance with the provisions of the Fort Ord Federal Facility Agreement (FFA; *November 19, 1990*). Additional information regarding the OU2 Landfills is provided in Sections 4.1.4, 4.2.2 and 5.1.

SWMU FTO-012 was the Main Garrison Sewage Treatment Plant (IRP Site 2). The sewage treatment plant (STP) occupies an unpaved area of approximately 28 acres within Parcel S3.1.1 (Plate 4 [Attachment 1]). IRP Site 2 (SWMU FTO-012) was investigated during the basewide RI/FS for hazardous and toxic waste (HTW). A baseline human health risk assessment that included exposure of an onsite worker to soil and dust at the site was performed and risks were below the US EPA's threshold values. Based on the risk assessment no remedial action was proposed for soil at IRP Site 2 in the *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California* (Basewide RI Sites ROD; January 13, 1997); however, as part of the maintenance and cleanup activities associated with the closure of SWMU FTO-012, all sludge remaining in the STP sludge drying beds and evaporation ponds was removed. Additional SWMU cleanup activities included the demolition of the asphalt lined drying beds, removal of drying bed conveyance piping and excavation of soils below the drying beds and ponds. Additional discussion of the cleanup of FTO-012 (IRP Site 2) is provided in Section 4.2.2.

SWMU FTO-059 was the Ord Village Sewage Treatment Plant (IRP Site 1). This STP is located within Parcel S3.1.1 in the southwestern portion of the former Fort Ord (Plate 5 [Attachment 1]). IRP Site 1 (SWMU FTO-059) was investigated during the Basewide RI/FS for HTW. The cleanup of SWMU FTO-059 was conducted concurrently with Interim Action (IA) activities at Site 1. As part of the cleanup of SWMU FTO-059 all waste sludge associated with the operation of the STP was removed (approximately 870 cubic yards). Additional SWMU cleanup activities included the removal of an overflow bypass clay pipe; demolition and removal of the concrete footwall associated with a surge reservoir, chlorine building, chlorine contact chamber, and all associated valve pits. Additional discussion of the cleanup of FTO-059 (IRP Site 1) is provided in Section 4.1.2.

4.2.2 Groundwater Contamination

Two groundwater contamination plumes, OU2 Landfills (SWMU FTO-002) and Sites 2 and 12, underlie portions of the Property. The OU2 groundwater plume is the result of a release of hazardous substances from the OU2 Landfills and is being remediated in accordance with the OU2 ROD (*July 15, 1994*). The OU2 ROD was signed by the RWQCB on August 9, 1994, by the DTSC on August 18, 1994, and by the US EPA on August 23, 1994. On January 4, 1996, the Army received concurrence from the US EPA that the pump-and-treat system for remediation of the OU2 groundwater plume is in place and operating "properly and successfully." Additional information regarding the OU2 Landfills is provided in Sections 4.1.4, 4.2.1 and 5.1.

The Sites 2 and 12 groundwater plume is presumed to be the result of releases of hazardous substances associated with activities in the light industrial area of the former Fort Ord (RI Site 12) and is being remediated by extraction and treatment in accordance with the Basewide RI Sites ROD (*January 13, 1997*). The Basewide RI Sites ROD was signed by the DTSC on January 16, 1997, by the US EPA on January 17, 1997, and by the RWQCB on January 22, 1997. Since installation and start-up of the Sites 2 and 12 groundwater treatment system (April 1999), the extent of the plume has been significantly reduced. The Sites 2 and 12 Groundwater Remedy Operating Properly and Successfully Evaluation Report was submitted to the regulatory agencies in November 2001. On July 3, 2002, the Army received concurrence from the US EPA that the pump-and-treat system for remediation of the Site 2 and 12 groundwater plume is in place and operating "properly and successfully."

The Baseline Risk Assessments for the Sites 2 and 12 and OU2 groundwater plumes indicates that the groundwater does not pose a threat to occupants of the buildings on the Property, provided that groundwater from the contaminated aquifers is not used as a drinking water source. Well drilling and use of groundwater will be prohibited. Restriction and notification for groundwater contamination are detailed in the Environmental Protection Provisions (Attachment 5).

4.2.3 Basewide Range Assessment (BRA)

Each of the munitions response sites that lie within the Property were investigated as part of the BRA for small arms and multi-use ranges. For the BRA, the areas of investigation were identified as Historical Areas (HA). The assessment of each HA for potential hazardous and toxic waste-related contamination included a literature search and data review (i.e., review of historical maps, aerial photographs and data generated during sampling investigations, where conducted). Based on this research a determination was made whether site reconnaissance and mapping was warranted. Areas of interest (e.g., training area boundaries, disturbed vegetation areas, and roads) were identified from maps and photographs and their locations (waypoints) uploaded into a Global Positioning System (GPS) unit. The site reconnaissance was conducted by a two-person team that included a military munitions specialist and a second team member trained in munitions recognition. The site reconnaissance included walking portions of the site and navigating to the waypoints using the GPS unit. If evidence of a release was observed sampling for chemical contamination was performed. The US EPA and the DTSC provided comments on the *Draft Comprehensive Basewide Range Assessment Report, Former Fort Ord, California* (BRA Report) and the draft final BRA Report (*March 31, 2005*) was issued in March

2005. The US EPA and the DTSC provided no additional comments and, in accordance with the provisions of the Fort Ord FFA (*November 19, 1990*), the BRA Report became final in April 2005. The following discusses the results of the BRA conducted on the Property.

HA-90 (MRS-1) is included within Parcels E2a, E4.1.2.1, E4.1.2.2, L9.1.1.2, and L9.1.2.2 (Plate 4 [Attachment 1]). The assessment of HA-90 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-1. Based on the results of the literature search, site history (the area was used for a limited time in the 1950s, and then later graded for housing), and no stained soil was identified, no further action related to chemical contamination is required for HA-90.

HA-96 (MRS-6) is included within Parcels E2a and S4.1.1 (Plate 4 [Attachment 1]). The assessment of HA-96 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-6. Based on the results of the literature search, and because only one small arms round and one practice mine were found during sampling, no further action related to chemical contamination is required for HA-96.

HA-102 (MRS-13A) is included within Parcels E4.3.2.1, E4.6.1, E4.6.2, L5.6.1, and L5.6.2 (Plate 6 [Attachment 1]). The assessment of HA-102 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-13A. Based on the results of the literature search and absence of munitions debris observed during military munitions sampling, no further action related to chemical contamination is required for HA-102.

HA-122 (MRS-20) is included within Parcel E15.2 (Plate 3 [Attachment 1]). The assessment of HA-122 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-20. Based on the results of the literature search and absence of munitions debris observed during military munitions sampling, no further action related to chemical contamination is required for HA-122.

HA-124 (MRS-22) is included within Parcels S3.1.1, S3.1.2, S3.1.3, S3.1.4, and L20.15 (Plates 4 and 5 [Attachment 1]). The assessment of HA-124 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-22. HA-124 encompasses all of the small arms ammunition firing ranges that were located within MRS-22 (HA-1 through HA-17). Remediation of each of the beach ranges has been completed, and no further action related to chemical contamination is required for HA-124, which includes HA-1 through HA-17.

HA-157 (MRS-27Y) is included within Parcels E11a and L20.14.1.1 (Plate 7 [Attachment 1]). The assessment of HA-157 for potential hazardous and toxic waste related to military munitions included a literature search and a review of the information gathered during the assessment and military munitions sampling conducted at MRS-27Y and adjacent MRS-66. Based on the results of the literature search and absence of munitions debris observed during military munitions sampling, no further action related to chemical contamination is required for HA-157.

HA-179 (MRS-49) is included within Parcels E20c.2.1, L23.5.1, and L31 (Plate 3 [Attachment 1]). The assessment of HA-179 for potential hazardous and toxic waste-related contamination included a data review, site reconnaissance, and mapping of the site. No evidence of military munitions was observed during the site reconnaissance conducted at the HA-179. Three fighting positions were found along a path that runs between Parcel L23.5.1 and HA-179; however, no targets or range features were identified and no further investigation for chemical contamination action is required for HA-179.

HA-189 (MRS-59) is included within Parcel E11b.6.2 (Plate 8 [Attachment 1]). The assessment of HA-189 for potential hazardous and toxic waste related to military munitions included a literature search, site reconnaissance, and mapping of the site. The site reconnaissance of HA-189 was performed in December 2001. Only expended blank small arms ammunition casings were found. No military munitions or evidence of military training were identified during the site walk and no further action related to chemical contamination is required for HA-192.

HA-192 (MRS-62) is included within Parcel L20.6 (Plate 9 [Attachment 1]). The assessment of HA-192 for potential hazardous and toxic waste related to military munitions included a literature search, site reconnaissance, and mapping of the site. The site reconnaissance of HA-192 was performed in November 2001. Only expended blank small arms ammunition casings were found. No military munitions or evidence of military training were identified during the site walk and no further action related to chemical contamination is required for HA-192.

HA-196 (MRS-66) is included within Parcel E11a (Plate 7 [Attachment 1]). The assessment of HA-196 for potential hazardous and toxic waste related to military munitions included a literature search, site reconnaissance, and mapping of the site. The site reconnaissance of HA-196 was performed in December 2001. No military munitions or evidence of military training were identified during the site walk and no further action related to chemical contamination is required for HA-196.

4.3 Petroleum and Petroleum Products

4.3.1 Underground and Aboveground Storage Tanks (UST/AST)

Current UST/AST Sites

There are four aboveground storage tanks (ASTs) on the Property. Two ASTs on the Property (6143 and 8775) are currently used for storage of petroleum products (Table 7 – Notification of Petroleum Product Storage, Release, or Disposal [Attachment 3]) and two ASTs on the Property that were formerly used to store propane that are no longer in use (4367.1 and 4367.2). ASTs 6143 and 8775 are located in Buildings 6143 and 8775, respectively, and are associated with sewage lift station pumps. ASTs 6143 and 8775 and the associated real property were transferred to FORA by deed on October 17, 2002. There is no evidence of petroleum releases from the four tanks.

Former UST/AST Sites

There were eight underground storage tanks (USTs) on the Property used for storage of petroleum products. All eight of the USTs have been removed. Releases of petroleum products occurred at the following USTs: 4362.1, 4362.2, and 2070.1. The release of petroleum products

from these USTs was remediated and closure granted by the Monterey County Department of Health (MCDOH) for all eight of the USTs. A summary of petroleum product storage, including remedial actions and dates of closure, is provided in Table 7 – Notification of Petroleum Product Storage, Release, or Disposal (Attachment 3).

4.3.2 Non-UST/AST Storage, Release, or Disposal of Petroleum Products

Based on a review of existing records and available information, there is no evidence that petroleum products in excess of 55 gallons at one time were stored, released, or disposed of on the Property as the result of non-UST/AST petroleum activities. Accordingly, there is no need for notification regarding non-UST/AST petroleum product storage, release, or disposal.

4.4 Polychlorinated Biphenyls (PCB)

There are no PCB-containing transformers or other PCB-containing equipment, with the exception of possible PCB-containing light ballasts, located on the Property. Based on a review of existing records and available information, PCB-containing light ballasts may be located on the Property. Fluorescent light ballasts manufactured or installed prior to 1978 may contain PCBs in the potting material. PCB-containing light ballasts do not pose a threat to human health and the environment when managed properly.

4.5 Asbestos

Based on the *Asbestos Survey Report, For U.S. Army Corps of Engineers, Fort Ord Installation (April 26, 1993)*, asbestos containing materials (ACM) were identified within buildings or structures on the Property. Detailed descriptions of the asbestos type, location, and condition rating (at the time of survey) are provided in the Asbestos Survey Report. A list of the buildings and whether asbestos was identified is provided in Table 1 – Description of Property (Attachment 3).

As noted in the *Asbestos Survey Report*, some of the buildings contain friable ACM in good to poor condition. Friable ACM may pose a health risk if not managed properly. Friable ACM can be effectively managed in place, provided the proper precautions are taken to minimize or eliminate exposure of personnel to airborne asbestos. The Army does not intend to remove or repair the ACM present in the buildings, but discloses its existence and condition. The friable asbestos that has not been removed or encapsulated will not present an unacceptable risk to human health because it will be managed by the Grantee as described in Section 5 of the Environmental Protection Provisions. Any recommended inspection of ACM present in these buildings will be the responsibility of the recipient. Appropriate asbestos notice is given herein and will be included in the deed. The deed will include the asbestos warning and covenant included in the Environmental Protection Provisions (Attachment 5).

4.6 Lead-Based Paint (LBP)

Buildings on the Property known or presumed to contain lead-based paint (LBP) are listed by parcel number in Table 1 – Description of Property (Attachment 3). Parcels E11a, E15.2, E4.1.2.3, E4.6.1, E4.6.2, E8a.1.1.2, L20.13.5, L20.14.1.1, L20.14.2, L20.6, S3.1.1, S3.1.2, S3.1.3, S3.1.4 and S4.1.1 were not used for residential purposes and the transferee does not intend to use these parcels for residential purposes in the future. Parcels E11b.6.2, E2a, L20.15,

and L5.6.1 do not contain any buildings or structures and were not used for residential purposes; however, the transferee intends to use these parcels for development, which may include residential purposes in the future. Parcel E20c.2.1 does not contain any buildings or structures and was not used for residential purposes; however, the transferee intends to use the parcel for residential purposes in the future. Parcel L5.6.2 was used for residential purposes and the transferee does not intend to use this parcel for residential purposes in the future. Parcel L23.5.1 was used for residential purposes and the transferee intends to use this parcel for development, which may include residential purposes in the future. Parcels E4.1.2.1, E4.1.2.2, E4.3.1.2, E4.3.2.1, L31, L9.1.1.2, and L9.1.2.2 were used for residential purposes and the transferee intends to use these parcels for residential purposes in the future. The deed will include the lead-based paint warning and covenant provided in the Environmental Protection Provisions (Attachment 5).

Lead-based paint surveys have been completed within the Patton Park housing areas, which includes Parcels E4.1.2.1, E4.1.2.2, L9.1.1.2, and L9.1.2.2. The first survey, conducted in November 1993 through March 1994, included the sampling of the interior and exterior components (e.g., walls, doorframes, baseboards, windowsills, downsills, downspouts, etc.) of 150 randomly selected housing units in Patton Park. Out of 150 units sampled, at least one component tested positive for lead in 125 of the 150 units.

Additional lead sampling (wipe, paint chip, and soil) was completed in Patton Park in December 2000 as part of a LBP risk assessment. Wipe and paint chip samples were collected from the interior of 148 randomly selected Patton Park housing units. A limited number of windowsill and floor wipe samples had lead dust results exceeding allowable levels for those surfaces. Paint chip samples (466) were collected from locations of paint deterioration. Results of the paint chip sampling confirmed and assessed the LBP associated with the Patton housing units. Four hundred and seventy-nine composite soil samples were collected using random sampling protocol and analyzed for lead. The samples were collected from the housing unit drip lines and mid-yard locations, and from playgrounds associated with the housing areas. With the exception of two mid-yard samples, none of the lead levels in the soil samples exceeded the US EPA, Department of Housing and Urban Development (HUD), or State of California lead criteria. Two of the mid-yard sample results exceeded the State of California allowable lead limits (1,000 mg/kg) for lead in non-play areas.

Due to the previous elevated lead concentrations in two of the soil samples collected as part of a LBP risk assessment conducted at Patton Park housing, seven additional composite soil samples were collected by the Army and seven composite soil samples were collected by the DTSC. The soil samples were collected in March 2002 from drip lines and parallel mid-yard areas where previous soil samples collected in October and November 2000 resulted in high total lead concentrations. The concentration of total lead in the seven composite soil samples collected by the Army from the re-sampled areas ranged from non detect, which is at or below the laboratory reporting limit of 10 parts per million (ppm), to 60 ppm. None of the soil samples exceeded the US EPA, HUD, or State of California lead criteria. The results of the DTSC sampling were similar to those found by the Army. In a letter to the Mayor of the City of Marina dated June 5, 2003, the DTSC stated that, based on the results of the re-sampling of soil by the Army and the DTSC in Patton Park, the housing area was suitable for unrestricted use.

4.7 Radiological Materials

One building on the Property (Building 916, Parcel S3.1.1) was among 230 former Fort Ord buildings that were suspected to have contained/stored radioactive commodities at some point in the past, but for which no documented evidence was found. The use of radioactive commodities at former Fort Ord was limited to those under the control of a specific Nuclear Regulatory Commission (NRC) license, or those managed under Department of the Army authorization. Twenty percent of the 230 buildings were randomly sampled by the U.S. Army Environmental Hygiene Agency (AEHA; reorganized in 1994 as the U.S. Army Center for Health Promotion and Preventive Medicine [USACHPPM]). No radiological health hazards were identified for the twenty percent sampled, and USACHPPM recommended that all 230 buildings be released for unrestricted use (memorandum dated May 2, 1997). In a memorandum dated October 1, 1997, the California Department of Health Services (DHS) released all buildings with documented or suspected use or storage of radioactive commodities (including Building 916) for unrestricted use.

4.8 Radon

Radon surveys were conducted in approximately 2,900 buildings at the former Fort Ord in 1989 and 1990. Radon was not detected at or above the US EPA residential action level of 4 picocuries per liter (pCi/L) in buildings on the Property.

4.9 Munitions and Explosives of Concern (MEC)

A review of existing records and available information, including the Archive Search Report (ASR), ASR Supplement No. 1 and the draft Revised ASR (*December 1993, November 1994 and December 1997*, respectively), the Site 39 Data Summary (*February 1994*), the Literature Review Report (*January 2000*), the Track 0 ROD (*June 2002*), the Final Track 1 OE RI/FS (*June 2004*), the Track 1 ROD (*March 2005*), the Track 0 Plug-In Approval Memorandum Selected Parcels – Group B (*March 2005*), the Track 0 Plug-In Approval Memorandum Selected Parcels – Group C (*July 2005*), military munitions contractor after-action reports, working maps, Fort Ord Training Facilities Maps, and associated interviews from various ordnance-related community relations activities, indicates that ten former munitions response sites (MRSs) are present on the Property as described below. The ten MRSs (MRS-1, MRS-6, MRS-13A, MRS-20, MRS-22, MRS-27Y, MRS-49, MRS-59A, MRS-62, and MRS-66) were determined to be Track 1 munitions response sites. In addition, the area between MRS-1 and MRS-6, the MRS-6 Expansion Area, was evaluated and determined to meet the Track 1 Plug-In criteria (*Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area*, dated May 6, 2005). No further action related to munitions and explosives of concern (MEC) is required at Track 1 sites because MEC is not expected. The term “MEC” means military munitions that may pose unique explosives safety risks, including: (A) unexploded ordnance (UXO), as defined in 10 U.S.C. §101(e)(5); (B) discarded military munitions (DMM), as defined in 10 U.S.C. §2710(e)(2); or (C) munitions constituents (e.g., TNT, RDX), as defined in 10 U.S.C. §2710(e)(3), present in high enough concentrations to pose an explosive hazard. The Track 1 ROD was signed by the DTSC on March 30, 2005 and the US EPA on April 6, 2005. Track 1 sites were evaluated through the RI/FS process and documented in the Track 1 OE RI/FS. The Track 1 OE RI/FS provided the site-specific rationale for assigning Track 1 status. The remainders of the parcels that lie outside of the Track 1 site(s) are considered Track 0 areas. The Track 0 No Action ROD Plug-in process

addresses single or grouped areas of land at the former Fort Ord that have no history of military munitions use and for which No Action is necessary to protect human health and the environment. The Track 0 ROD (*June 19, 2002*) was signed by the DTSC on June 25, 2002, and the US EPA on July 2, 2002. The evaluation of the portions of the parcels included in this FOST that lie outside of the Track 1 sites is presented in the *Track 0 Plug-In Approval Memorandum Selected Parcels – Group C, Former Fort Ord California* (Track 0 Approval Memo – Group C), dated July 1, 2005. The US EPA and the DTSC concurred with the determinations of the Track 0 Approval Memo – Group C in letters dated July 19, 2005 and July 22, 2005, respectively.

The following summarizes the results of the Military Munitions Response Program (MMRP) investigations that have been conducted on the Property.

MRS-1. MRS-1 lies within portions of Parcels E2a, E4.1.2.2, L9.1.1.2, and L9.1.2.2 (Plate 4 [Attachment 1]). MRS-1 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-1. MRS-1 meets the Track 1, Category 3⁹ criteria because historical research and sampling investigations identified evidence of past training involving military munitions and training at this site involved only the use of pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-1.

MRS-6. MRS-6 lies within portions of Parcels E2a and S4.1.1 (Plate 4 [Attachment 1]). MRS-6 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-6. MRS-6 meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions and training at this site involved only the use of pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-6.

MRS-6 Expansion Area. The MRS-6 Expansion Area lies within Parcel E2a, between MRS-6 and MRS-1 and overlaps small portions of Parcels E4.1.2.1, E4.1.2.2 and S4.1.1 (Plate 4). The Track 1 OE RI/FS recommended that the boundary of MRS-6 be expanded to the south to include an area identified as a “Mine and Booby Trap Area” on a 1950s era training map. A site walk was conducted in 2004 to evaluate this area. The area walked included MRS-6, a portion of Parcel E2a between MRS-6 and MRS-1 (MRS-6 Expansion Area), and the very northern portion of MRS-1. Munitions debris items found during the site walk included expended practice mine fuzes within MRS-6 and an expended firing device within the portion of Parcel E2a between MRS-6 and MRS-1, which are consistent with both the type of munitions debris items found during previous sampling events and those expected in a practice mine and booby trap training area. The MRS-6 Expansion Area meets the Track 1, Category 3 criteria because historical research and field investigations identified evidence of past training involving military munitions, and training at this site involved only the use of practice and pyrotechnic items that are not designed to cause injury. The MRS-6 Expansion Area was evaluated in the *Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area*, dated May 6, 2005. Approval of the “Plug-In” of the MRS-6 Expansion Area into the Track 1 ROD was granted by the US EPA on

⁹ Category 3: The site was used for training with military munitions, but military munitions items that potentially remain as a result of that training do not pose an unacceptable risk based on site-specific evaluations conducted in the Track 1 OE RI/FS.

June 20, 2005 and by the DTSC on July 29, 2005. In accordance with eligibility criteria for Plug-In sites identified in the Track 1 ROD, no further action related to MEC is required for this area.

MRS-13A. MRS-13A includes portions of Parcels E4.6.1, E4.6.2, L5.6.1, and L5.6.2 (Plate 5 [Attachment 1]). MRS-13A was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-13A. MRS-13A meets Track 1, Category 2¹⁰ criteria because historical research and sampling conducted at this site identified evidence of past training involving military munitions items that do not pose an explosive hazard. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-13A.

MRS-13A overlies a portion of the OU2 Landfills (Area A; Plate 5 [Attachment 1]). The southwestern portion of MRS-13A includes a portion of Area A excavated in 1996 through 1998, as part of the relocation of the landfill material buried in Area A. All landfill disposal areas, including land within the MRS-13A footprint, have been fully excavated and the excavated areas have been backfilled or re-graded. Military munitions items were found and removed from landfill materials excavated from MRS-13A; however, the items are attributed to disposal based on the proximity to the landfill and the type of training identified on historic maps in this area. Accordingly, Area A has been identified as a "Special Case" Track 0 Area as defined in the Track 0 ROD (*June 2002*) and the Track 0 ROD Explanation of Significant Differences (ESD) (*April 5, 2005*). The DTSC and the US EPA signed the Track 0 ROD ESD on April 12, 2005 and April 26, 2005, respectively.

MRS-20. MRS-20 lies within Parcel E15.2 (Plate 3 [Attachment 1]). MRS-20 was evaluated in the Track 1 OE RI/FS. MRS-20 meets the Track 1, Category 1¹¹ criteria because historical research and sampling conducted at this site found no evidence of past training involving military munitions. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-20.

MRS-22. MRS-22 includes Parcels L20.15, S3.1.1, S3.1.2, S3.1.3, and S3.1.4 (Plates 8 and 9 [Attachment 1]). MRS-22 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-22. MRS-22 meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions and training at this site involved only the use of practice and pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-22.

As an added precaution, the DTSC and the California Department of Parks and Recreation will enter into a Memorandum of Understanding (MOU) for additional site surveillance activities on MRS-22. The MOU will be implemented to inspect the beach property for the presence of MEC items periodically and after erosion-inducing events. The MOU will also call for proper notification in the case of any discovery of MEC items (or potential MEC items) during these inspections.

¹⁰ Category 2: The site was used for training, but the military munitions items used do not pose an explosive hazard.

¹¹ Category 1: There is no evidence to indicate military munitions were used at the site.

MRS-27Y. MRS-27Y lies partially within Parcels E11a, L20.14.1.1, and L20.14.2 (Plate 6 [Attachment 1]). MRS-27Y was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-27Y. MRS-27Y meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions and training at this site involved only the use of pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-27Y.

MRS-49. MRS-49 lies partially within Parcels E20c.2.1, L23.5.1 and L31 (Plate 3 [Attachment 1]). MRS-49 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-49. MRS-49 meets the Track 1, Category 3 criteria because historical research and site walks conducted at this site identified evidence of past training involving military munitions and training at this site involved only the use of practice and pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-49.

MRS-59A. MRS-59A includes Parcel E11b.6.2 (Plate 7 [Attachment 1]). MRS-59A was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-59A. MRS-59A meets the Track 1, Category 3 criteria because historical research, site walks, and surface sampling conducted at this site identified evidence of past training involving only the use of pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-59A.

MRS-62. MRS-62 includes Parcel L20.6 (Plate 10 [Attachment 1]). MRS-62 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-62. MRS-62 meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions and training at this site involved only the use of pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-62.

MRS-66. MRS-66 lies partially within Parcel E11a (Plate 6 [Attachment 1]). MRS-66 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-66. MRS-66 meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions, and training at this site involved only the use of practice and pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-66.

As specified in the Track 1 ROD and the Track 1 Plug-In Approval Memorandum for the MRS-6 Expansion Area, the Army recommends construction personnel involved in intrusive operations at the following sites attend the Army's "ordnance recognition and safety training," MRS-1, MRS-6, and the MRS-6 Expansion Area, MRS-13A, MRS-22, MRS-27Y, MRS-49, MRS-59A, MRS-62, and MRS-66.

Site Reconnaissance of Parcels E20c.2.1, L23.5.1, L31, E11b.6.2, L20.6, and E11a

As part of the BRA, a site reconnaissance was performed over portions of Parcels E20c.2.1, L23.5.1, L31, E11b.6.2, L20.6, and E11a. No MEC or munitions debris items were found within these parcels during the BRA site reconnaissance. Additional information on the BRA investigation is provided in Section 4.2.3.

Site Walk of Parcel E2a

A site walk was conducted in 2004 to address gaps in information collected during previous sampling efforts in the vicinity of MRS-1 and MRS-6. The site walk was conducted by a UXO Safety Specialist using a magnetometer to detect buried anomalies. The area walked included MRS-6, a portion of Parcel E2a between MRS-6 and MRS-1, and very northern portion of MRS-1. The only munitions debris items found during the site walk were two expended practice mine fuzes and an expended firing device (M1-type), which are consistent with the type of munitions debris found at MRS-1 and MRS-6 during the sampling conducted at those sites.

Military munitions response program investigations indicate that it is not likely that MEC are located on the Property; however, there is a potential for MEC to be present because military munitions were used throughout the history of Fort Ord. The deed will contain a notice of the potential for the presence of MEC as stated in the Environmental Protection Provisions (Attachment 5).

4.9.1 Incidental Military Munitions

Incidental military munitions items were found in seven parcels that are in this FOST. These items are considered to be "incidental" because their presence was anomalous and not indicative of past military munitions training activities on these parcels. Accordingly, the definition of "Track 0" has been clarified in the *Explanation of Significant Differences, Final Record of Decision, No Action Regarding Ordnance-Related Investigations (Track 0 ROD), Former Fort Ord, California (April 5, 2005)* to include areas not suspected as having been used for military munitions-related activities of any kind, but where incidental military munitions have been discovered. A description of the discovery of incidental military munitions at each parcel is provided below.

Parcels E4.3.1.2, E4.6.1, E4.6.2, L5.6.1 and L5.6.2 – During the excavation and placement of underground piping associated with the OU2 Landfills groundwater treatment system munitions debris items and MEC items were found on Parcels E4.3.1.2, E4.6.1, E4.6.2, L5.6.1, and L5.6.2. With the exception of one of the items (an inert 3.5-inch rocket motor), all were found within or adjacent to the landfill excavation boundaries during construction activities. As documented in the *Technical Memorandum, Support Documentation, Potential OE Issues, Parcel E4.3.1, Finding of Suitability for Early Transfer, Housing Areas and Former East Garrison Parcels, Former Fort Ord, California, May 2, 2001*, available documentation indicates these items were discarded in the former OU2 Landfills (Area A) during previous landfill operations and are not associated with any training in this area. The inert 3.5-inch rocket motor was found along Imjin Road, within Parcel E4.6.2, at a depth of 2 feet below the ground surface and may have been buried during grading activities.

The intended reuse of Parcel E4.3.1.2 is residential development, and as part of construction activities for this development the OU2 Landfills groundwater treatment system piping and other utilities within the parcel will be excavated and relocated. A representative of the Army trained in MEC recognition will observe initial grading and excavation activities that are within Parcel E4.3.1.2, associated with the system piping and utility relocation, and part of the initial planned development occurring within the parcel after its transfer. In accordance with the Environmental Protection Provisions (Attachment 5), if the Army representative or any other person should find suspected MEC during these activities, they will immediately stop any intrusive or ground-disturbing work in the area or in any adjacent areas and will immediately notify the appropriate authority so that explosive ordnance disposal personnel can be dispatched to address such MEC, as required under applicable law and regulations.

Parcel E8a.1.1.2 - Several military munitions items have been discovered within this parcel. The items were primarily expended practice items (munitions debris) and found scattered mostly in the northwestern portion of the parcel. Three MEC items (practice antitank mine, grenade fuze, and a practice grenade) were also found. These items are considered to be associated with disposal at the OU2 Landfills and not with any training in this area.

To address regulatory agency concerns regarding the occurrence of incidental military munitions observed on Parcel E8a.1.1.2, a site walk was performed to provide additional information. On June 15, 2005, a USACE UXO Safety Specialist conducted a site walk with a Schonstedt GA-52CX magnetometer, while a Global Positioning System operator recorded the path walked. All anomalies were intrusively investigated. No MEC or munitions debris items were found during the walk; brass casing from small arms ammunition were observed. Therefore, presence of the incidental items found previously on this parcel are not indicative of past training and this parcel meets the definition of Track 0 as defined in the Track 0 ESD.

Parcel L20.13.5 - In March of 2002, staking and surveying activities were being conducted along South Boundary Road to support widening of the road from General Jim Moore Boulevard to York Road. During this activity, the cartridge case from a 40mm multi-projectile with a live primer (MEC) was discovered adjacent to the road on Parcel L20.13.5. The item was reported to the on-call UXO Safety Officer who responded to the incident. The item was inspected and deemed safe to remove (cartridge case was damaged and the projectiles were missing), and transported to a safe holding area for later disposal. No other evidence of military munitions was discovered during the South Boundary Road widening project. Because the cartridge case was damaged and found lying adjacent to South Boundary Road, it is believed to have been discarded at this location and not present as the result of training activities.

4.9.2 Findings and Recommendations

The potential exists for MEC to be present on the Property because they were used throughout the history of Fort Ord. An appropriate MEC notice is given herein and will be included in the deed. The deed will include the MEC warning and covenant included in the Environmental Protection Provisions (Attachment 5, Section 3).

The Army cannot guarantee that all MEC have been removed; therefore, the Army recommends reasonable and prudent precautions be taken when conducting intrusive operations on the Property and will, at its expense, provide construction worker MEC recognition training.

Pursuant to an agreement with the DTSC, the Cities of Marina, Seaside, and Del Rey Oaks have adopted City Ordinances that address the potential MEC risk by requiring permits for certain excavation activities. The Cities of Seaside, Marina, and Del Rey Oaks have designated all real property within their respective land use jurisdictions, which was formerly part of Fort Ord and identified as the possible location of MEC, as an "Ordnance Remediation District" ("District").

4.10 Installation-Wide Multispecies Habitat Management Plan

In accordance with the Installation-Wide Multispecies Habitat Management Plan (HMP), parcels in this FOST are categorized as follows:

Development Parcels – E15.2, E20c.2.1, E4.1.2.1, E4.1.2.2, E4.1.2.3, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, L5.6.1, L5.6.2, L9.1.1.2, L9.1.2.2, L20.13.5, L20.14.1.1, L20.14.2, L20.15, L20.6, L23.5.1, L31, and S3.1.4.

Habitat Reserve Parcels – E11a, E11b.6.2, and S3.1.2.

Development with Reserve Areas or Development with Restrictions Parcels – E2a, E8a.1.1.2, S3.1.1, S3.1.3, and S4.1.1.

The resource conservation and management requirements for Habitat Reserve Parcels and Development with Reserve Areas or Development with Restrictions Parcels are described in the April 1997 HMP and in the *Assessment East Garrison – Parker Flats Land Use Modifications, Fort Ord California, May 1, 2002*.

The parcels identified as HMP Development Parcels have no HMP resource conservation or management requirements; however, the HMP does not exempt the Grantee from complying with environmental regulations enforced by federal, State, or local agencies. These regulations may include obtaining permits from the U.S. Fish and Wildlife Service (USFWS) as required by the Endangered Species Act (ESA); complying with prohibitions against the removal of listed plants occurring on federal land or the destruction of listed plants in violation of any state laws; complying with measures for conservation of state-listed threatened and endangered species and other special-status species recognized by the California ESA, or California Environmental Quality Act (CEQA); and complying with local land use regulations and restrictions. The deed will include the "Notice Of The Presence Of Threatened And Endangered Species" provided in the Environmental Protection Provisions (Attachment 5).

4.11 Other Property Conditions

Clean Air Act General Conformity Rule requirements for this transfer were satisfied by a Record of Non-Applicability based upon an exemption for property transfers or leases where the proposed action will be a transfer of ownership, interest and title in the land, facilities, and associated real and personal property.

5.0 ADJACENT PROPERTY CONDITIONS

The following other potentially hazardous conditions exist on adjacent property:

5.1 Operable Unit 2 (OU2) Landfills

Portions of the Property (Parcels E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1, and L5.6.2) are located within 1,000 feet of the Operable Unit 2 (OU2) Landfills (Plate 6 [Attachment 1]). Parcel E8a.1.1.2 is located immediately to the south of and adjacent to the OU2 Landfills (Area E) (Plate 6, Attachment 1). The selected remedial action presented in the OU2 Landfills ROD (*July 15, 1994*) included placement of an engineered cover system over buried refuse at the OU2 Landfills. Placement of the engineered cover system at the OU2 Landfills was completed in December 2002.

California Integrated Waste Management Board (CIWMB) regulations (Title 27 California Code of Regulations [CCR]), require that methane concentrations do not exceed the lower explosive limit (LEL) of five percent at the landfill boundary. In addition, trace gases must be controlled to prevent adverse acute and chronic exposure to toxic and/or carcinogenic compounds. To evaluate methane levels and trace gases in soil adjacent to the OU2 Landfills in accordance with CIWMB requirements, permanent monitoring probes were installed within the OU2 Landfills and around the OU2 Landfills perimeter at a spacing of 1,000 feet or less. The Army has conducted quarterly monitoring at perimeter probes since June 2000, as described in the Landfill Gas Perimeter Probe Monitoring Reports (February 2002, October 2002, April 2004 and November 2004). The latest available results from the quarterly methane monitoring (March through December 2003) showed methane concentrations to be below the five percent standard at the landfill boundary. It is expected that the concentrations of methane will decline in the future as the waste ages and the rate of biological degradation decreases. Results from the 2003 annual monitoring for volatile organic compounds (VOCs) indicates VOCs were mostly non-detectable to the reporting limit. The VOCs most frequently detected since June 2000 include vinyl chloride, benzene, Freon 11, Freon 12, Freon 113, and Freon 114. Permanent perimeter probes are located on Area E of the OU2 Landfills adjacent to Parcel E8a.1.1.2 (SGP-1E, SGP-2E and SGP-3E) and within Parcel E8a.1.1.2 (SGP-5E and SGP-6E). These probes are monitored quarterly for methane. Historically, methane has been detected in SGP-1E and SGP-2E, but not in SGP-3E, SGP-5E or SGP-6E. SGP-2E and SGP-5E are also monitored annually for VOCs. In 2003, acetone, carbon disulfide, Freon 114, Freon 12 and Tetrachloroethene were detected in both probes. Additionally, Freon 11 was detected in SGP-5E. To monitor for potential impacts of toxic and/or carcinogenic trace gases contained in landfill gas (LFG), the Army also conducted ambient air monitoring in 2000, 2001, 2002, and 2003 for VOCs as reported in the *Draft Final Report, 2003 Ambient Air Monitoring and Human Health Risk Assessment, Operable Unit 2 Landfills, Former Fort Ord, California* (Revision 0, March 2005). The results of the Human Health Risk Assessment (HHRA) are described below.

In June 2001, the Army implemented a LFG extraction and treatment system along the eastern side of the OU2 Landfills Area F adjacent to the existing California State University Monterey Bay (CSUMB) housing. This system has reduced and maintained methane concentrations along the fence line adjacent to the eastern side of Area F to less than the five percent standard. To further reduce potential migration of VOCs from the OU2 Landfills to the underlying groundwater and potential emissions of VOCs to the atmosphere, the Army is expanding the network of LFG extraction wells to include the northern, western and southern perimeters and interior of Area F. The new system will extract and treat both methane and VOCs through use of a thermal treatment unit. In its current configuration, the treatment system uses granular

activated carbon and potassium permanganate to treat VOCs; however, this is not effective for removing methane. The system expansion is described in the *Draft Final Work Plan, Landfill Gas System Expansion, Operable Unit 2 Landfills, Former Fort Ord, California* (Revision 0, March 2005). The Army estimates construction will be complete and the expanded system brought on line by January 2006.

To decrease the potential for LFG migration to surrounding property, a buffer zone was added extending 100 feet beyond the perimeter fencing for most of the OU2 Landfills Areas (Plate 6 [Attachment 1]). Future landowners should refer to Title 27, Section 21190 CCR, which identifies protective measures for structures built on or within 1,000 feet of a landfill.

The Army conducted a screening human health risk assessment (HHRA) to evaluate the potential health risks associated with potential residential exposure to VOCs in ambient air in the vicinity of the OU2 Landfills. Ambient air monitoring data collected in 2000, 2001, 2002, and 2003 was used in the HHRA. Based on the results of the HHRA, it was determined that no further corrective action was necessary to address risks or hazards from VOCs potentially emanating from the OU2 Landfills (SWMU FTO-002). The US EPA provided comments to the Draft HHRA in a letter dated November 8, 2004, in which it was concurred that the OU2 Landfills are not contributing significantly to VOC concentrations in ambient air downwind of the OU2 Landfills. The DTSC provided comments in a memorandum dated November 17, 2004, in which the DTSC concurred that risks upwind and downwind of the OU2 Landfills are approximately equal.

Site closure has been recommended for the OU2 Landfills. Documentation required for the regulatory agencies to approve site construction completion and site completion as defined under CERCLA was provided in the *Draft Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, Former Fort Ord, California, March 2003, Revision C*. The California Regional Water Quality Control Board, Central Coast Region (RWQCB) provided comments on and approval of the report in a letter dated April 25, 2003. The letter also stated the RWQCB would be changing the OU2 Landfills permitting to reflect its closed status. On January 10, 2005, the US EPA and the DTSC gave verbal approval to issue the Draft Final Remedial Action Construction Completion Report in accordance with the Federal Facilities Agreement schedule. The draft final document, dated January 31, 2005, was issued on February 2, 2005. The regulatory agencies had no additional comments and the document became final in March 2005 in accordance with the provisions of the Fort Ord FFA (*November 19, 1990*). Additional information regarding the OU2 Landfills is provided in Sections 4.1.4, 4.2.1, and 4.2.2.

5.2 Munitions and Explosives of Concern (MEC)

MRS-2, MRS-24B, MRS-31, MRS-44EDC, MRS-45, MRS-50EXP, and MRS-59 lie adjacent to the Property. A summary of the investigation conducted at each of the adjacent sites is provided below.

MRS-2. MRS-2 lies approximately 100 feet west of Parcel E4.6.1 (Plate 5 [Attachment 1]). MRS-2 was identified in the ASR as a chemical training area and a landmine warfare training area. Results of the ASR indicate that MRS-2 was not an impact area. During the archives search it was reported that Chemical Agent Identification Sets (CAIS) might have been buried in

the site vicinity along Imjin Road. MRS-2 was sampled for munitions and explosives of concern (MEC) in 1994 and two munitions debris items were found. A portion of MRS-2 overlaps IRP Site 16 and is adjacent to IRP Site 17. During the investigation and remediation of IRP Sites 16 and 17, 468 2.36-inch inert practice rockets were removed from burial pits located in former landfill areas within Sites 16 and 17. Landfill areas within MRS-2 were fully excavated in 1997. Although munitions debris items were found at MRS-2, the items were buried in disposal pits and were not associated with military munitions use. No evidence of CAIS kits was found during sampling. The burial area within MRS-2 has been excavated, backfilled and re-graded. As discussed in the Track 0 ROD (*June 19, 2002*), the portion of MRS-2 that has been excavated, backfilled and re-graded (Pete's Pond) is a Special Case Track 0 area. The Track 0 ROD approved No Action regarding munitions response for this Special Case Track 0 area. The Special Case Track 0 area included the former landfill within MRS-2 where munitions debris was found buried with refuse. No military munitions-related activities occurred in the area, and the munitions debris and the refuse were entirely removed.

MRS-2 was categorized as a Track 1 site, which are sites suspected to have been used for military training with military munitions. Historical research and sampling conducted at this site found no evidence of past training involving military munitions. The adequacy of the sampling conducted at MRS-2 was evaluated in the Track 1 OE RI/FS. The Track 1 OE RI/FS recommended that MRS-2 should be retained in the Track 1 process. Therefore, MRS-2 will be considered as a candidate site for the Track 1 Plug-in process in accordance with criteria identified in the approved Track 1 ROD.

MRS-5. MRS-5 lies adjacent to Parcel Ellb.6.2 (Plate 7 [Attachment 1]). MRS-5 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-5. MRS-5 meets the Track 1, Category 3 criteria because historical research and surface sampling conducted at this site identified evidence of past training involving only practice and pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-5.

MRS-13A. MRS-13A lies adjacent to Parcels E4.3.1.2 and E8a.1.1.2 (Plate 5 [Attachment 1]). MRS-13A was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-13A. MRS-13A meets the Track 1, Category 2 criteria because historical research and sampling conducted at this site identified evidence of past training involving military munitions items that do not pose an explosive hazard. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-13A.

MRS-24B. MRS-24B lies approximately 300 feet southwest of Parcel E20c.2.1 (Plate 3 [Attachment 1]). MRS-24B was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-24B. MRS-24B meets the Track 1, Category 3 criteria because historical research and sampling investigations identified evidence of past training involving military munitions, and training at this site involved only the use of practice and pyrotechnic items that are not designed to cause injury. In accordance with the Track 1 ROD, no further action related to MEC is required at MRS-24B.

MRS-31. MRS-31 is separated from Parcel E8a.1.1.2 by Inter-Garrison Road and lies adjacent to Inter-Garrison Road Parcel L20.14.2 (Plate 6 [Attachment 1]). MRS-31 is a general area where training occurred and encompasses several munitions response sites including MRS-4C,

MRS-7, MRS-8 and MRS-18. The boundary of MRS-31 was established to correspond to the transfer parcel boundary and to include each of the munitions response sites. HFA completed the initial investigation of MRS-31 in 1994. Removals of military munitions to three and four feet below ground surface have been conducted throughout MRS-31. MEC and munitions debris items found during the military munitions removal actions conducted at these sites included rifle-fired smoke grenades, fuzes, firing devices, blasting caps, simulators, illumination signals, practice hand and smoke grenades, practice mines, projectiles, and practice rockets. Site MRS-31 will undergo additional evaluation in the ongoing former Fort Ord Military Munitions Response Program

MRS-44EDC. MRS-44EDC lies approximately 400 feet southeast of Parcel E20c.2.1 (Plate 3 [Attachment 1]). MRS-44EDC was established based on the presence of fragmentation from 37mm HE projectiles found during a site reconnaissance conducted by a USACE UXO Safety Specialist. An investigation of MRS-44EDC was conducted to determine whether a removal action was warranted. The investigation included the sampling of grids randomly distributed throughout the site. Several MEC items were found during sampling at MRS-44EDC; however, none of the MEC items found are penetrating by design and would therefore typically be found on or near the ground surface unless intentionally buried. MRS-44EDC will undergo additional evaluation in the ongoing former Fort Ord Military Munitions Response Program.

MRS-45. The site, approximately 400 acres, lies adjacent to Inter-Garrison Road Parcels L20.14.1.1 and L20.14.2 (Plate 6 [Attachment 1]). CMS Environmental, Inc. (CMS) conducted sampling of MRS-45 in 1997. Two hundred and twenty-five munitions debris items were removed. With the exception of a fragment from a fragmentation hand grenade, all of the munitions debris items were pyrotechnic or training related and included rifle-fired smoke grenades, two 40mm projectile signals, practice, illumination, and smoke hand grenades, illumination signals, practice mines, hand grenade fuzes, booby trap firing devices, and a smoke pot. Twelve MEC items (all pyrotechnic or training related items) were found during sampling of the site. No evidence was found during sampling to indicate that this site was used as an impact area and no further military munitions investigation was recommended. MRS-45 will undergo additional evaluation in the ongoing former Fort Ord Military Munitions Response Program.

MRS-46. This site lies immediately adjacent to South Boundary Road Parcel L20.13.5 (Plate 8 [Attachment 1]). The boundary of MRS-46 is based on transfer parcel delineation and not on evidence of munitions use. Sampling of MRS-46 was initially conducted as part of the investigation of the adjacent impact area. During the sampling two MEC items (2.36-inch rockets) were found on the ground surface. The contractor conducting the sampling concluded that the two rockets were discarded military munitions (DMM); however, sampling of the entire site was conducted. No MEC were found during this sampling effort. Ten munitions debris items (various portions of practice rifle grenades) were found and removed. Because a portion of MRS-46 was to be leased to York School for the construction of an athletic field, the entire lease area was re-evaluated (sampled) using digital geophysical equipment. No MEC or munitions debris were discovered and no further action was recommended. A digital geophysical evaluation (sampling) was also performed to the south of MRS-46 between South boundary Road and the former Fort Ord installation boundary (Plate 8). This area was identified as the York School South Area. The investigation included a visual sweep and subsurface investigation

using digital geophysical equipment. No MEC was found during sampling. Three munitions debris items (pieces of practice rifle grenades) were found and removed. Based on these results, no further action was recommended. MRS-46 and the York School South Area will undergo additional evaluation in the ongoing Fort Ord Military Munitions Response Program.

In 2002, York School completed construction of an athletic field and installation of an irrigation well within the portion of MRS-46 leased to them by the Army. The construction of the athletic field and installation of an underground irrigation system involved significant earth moving and grading. No military munitions were found during the athletic field construction, or installation of the irrigation well and irrigation system.

MRS-50EXP. MRS-50EXP is located approximately 500 feet west of Parcel L23.5.1 (Plate 3 [Attachment 1]). MRS-50EXP was not initially identified as a MRS in the ASR, but was created due to the expansion of the removal area associated with MRS-50. MEC and munitions debris were found at the boundary of MRS-50, which warranted an expansion of the investigation area in all directions. MRS-50EXP and the adjacent sites now comprise the Parker Flats munitions response area (Parker Flats MRA). The investigation of MRS-50 and its expansion areas included a removal action conducted over the entire site to a depth of 4 feet below ground surface. During the removal, 425 MEC items were found and removed from MRS-50EXP. No high explosive or penetrating military munitions were found within approximately 900 feet of Parcel L23.5.1. Approximately 500 hundred feet of open space and Parker Flats Road separates Parcel L23.5.1 from MRS-50EXP. Five military munitions items were found within MRS-50EXP approximately 600 feet from the eastern boundary of Parcel L23.5.1. The items, two practice hand grenade fuzes (MEC), a 40mm smoke projectile (MD), a rifle-fired parachute signal (MD), and a grenade fuze (MD), were found during the sampling of MRS-50EXP grids located on the east side of Parker Flats Road. The practice hand grenade fuzes were classified as discarded military munitions (DMM) items by the contractor conducting the military munitions sampling and removal. Because the MEC items found adjacent to Parker Flats Road were determined to be DMM further sampling on the west side of Parker Flats Road was not warranted. The Parker Flats MRA is currently being evaluated in the Track 2 Munitions Response Remedial Investigation/Feasibility Study.

MRS-59. MRS-59 lies adjacent to Parcel E11b.6.2 (Plate 7 [Attachment 1]). MRS-59 was identified during interviews conducted during the PA/SI phase of the Fort Ord Archives Search and was reported to have included a 2.36-inch rocket range in the early 1940s. A portion of MRS-59 was transferred to the Bureau of Land Management (BLM) in 1996 and the remainder was retained by the Army. The remaining portion was re-named as MRS-59A. The reconnaissance of MRS-59 involved walking a portion of the site and sweeping the path walked using a magnetometer. Two pieces of mortar fragments from the incomplete detonation of a 60mm mortar were found on the far west side of MRS-59 approximately 3000 feet from Parcel E11b.6.2. Expended pyrotechnic items were also found. Based on the reconnaissance performed, the ASR recommended further site investigation and random sampling at MRS -59. MRS-59 will undergo additional evaluation in the ongoing former Fort Ord Munitions Response Program.

Portions of MRS-59 were investigated as part of the BRA for small arms and multi-use ranges. The assessment of MRS-59 for potential hazardous and toxic waste-related contamination

included a data review, site reconnaissance, and mapping of portions of the site. Under the BRA MRS-59 was identified as HA-189. Additionally, Portions of MRS-59 were included within two other historical areas, HA-77 and HA-88; however, only walks associated with HA-77 occurred within MRS-59. No MEC items were found and no evidence of military training was observed during the site reconnaissance conducted at HA-77 and HA-189 (MRS-59A). No further investigation for chemical contamination was recommended for HA-189 (MRS-59) under the Fort Ord BRA.

MRS-DRO.1 and MRS-DRO.2. These sites lie on the north side of South Boundary Road and are in close proximity to Parcel L20.13.5 (Plate 8 [Attachment 1]). The boundaries of MRS-DRO.1 and MRS-DRO.2 are based on transfer parcel delineation and not on evidence of munitions use. The investigation of these sites included one hundred percent (100%) grid sampling, a removal action, and a 100% geophysical investigation to support the early transfer of these parcels. Items found and removed included expended practice rockets, practice projectiles, and practice grenades. MRS-DRO.1 and MRS-DRO.2 will undergo additional evaluation in the ongoing former Fort Ord Military Munitions Response Program.

MRS-MOCO.1. This site lies on the north side of South Boundary Road and is adjacent to Parcel L20.13.5 (Plate 8 [Attachment 1]). The boundary of MRS-MOCO.1 is based on transfer parcel delineation and not on evidence of munitions use. One hundred percent (100%) grid sampling was performed at MRS-MOCO.1 and no MEC or munitions debris were found. Based on these results no further action was recommended. MRS-MOCO.1 will undergo additional evaluation in the ongoing former Fort Ord Military Munitions Response Program.

6.0 ENVIRONMENTAL REMEDIATION AGREEMENTS

The following environmental remediation orders and agreements are applicable to the Property: The Fort Ord MR RI/FS and the Fort Ord Federal Facility Agreement (FFA; *November 19 1990*). All remediation activities on the Property required by the FFA are completed or in place and operating properly and successfully (OPS). The Environmental Protection Provisions (Attachment 5) and deed will include a provision reserving the Army's right to conduct remediation activities and the regulators' right of access.

7.0 REGULATORY/PUBLIC COORDINATION

The US EPA Region IX and the DTSC were notified of the initiation of this FOST. The 30-day review period was from May 31, 2005 to June 30, 2005. Regulatory/public comments received during the public comment period were reviewed and incorporated, as appropriate. A copy of the regulatory/public comments and the Army Response are included in Attachments 7 and 8, respectively. Certain comments from US EPA (Attachment 7) remain unresolved and are identified as such in the Army Response (Attachment 8).

8.0 NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) COMPLIANCE

The environmental impacts associated with the proposed transfer of the Property have been analyzed in accordance with the National Environmental Policy Act (NEPA). The results of this analysis are documented in the *Final Environmental Impact Statement Fort Ord Disposal And Reuse (June 1993)*, associated Record of Decision (*December 1993*), *Supplemental*

Environmental Impact Statement Fort Ord Disposal And Reuse (June 1996) and associated Record of Decision (*June 1997*). Encumbrances¹² identified in the NEPA analysis as necessary to protect human health or the environment are summarized in Table 8 – Disposal (Army Action) Impacts and Mitigation Measures (Attachment 3).

9.0 ENVIRONMENTAL PROTECTION PROVISIONS

Based on the above results from the CERFA Report and other environmental studies, and in consideration of the intended use of the Property, certain terms and conditions are required for the proposed transfer. The terms and conditions are set forth in the Environmental Protection Provisions (Attachment 5) and will be included in the deed/easement.

9.1 Covenants to Restrict Use of Property – Environmental Restrictions

A portion of the former Fort Ord installation lies within a “Special Groundwater Protection Zone” as defined by Monterey County Ordinance 04011. Use of groundwater is prohibited on portions of the Property as described in the Covenant to Restrict Use of Property – Environmental Restrictions (Special Groundwater Protection Zone) (CRUP). Provided the restrictions of the CRUP, to be entered into by the Army and the State of California, are adhered to, no actual or potential hazard exists on the surface of the Property from groundwater contamination or from possible soil gas volatilization resulting from groundwater contamination underlying the Property.

9.2 School Properties

Should this Property be considered for the proposed acquisition and/or construction of school properties utilizing State funding, a separate environmental review process in compliance with the California Education Code 17210 et. Seq. will need to be completed and approved by the DTSC.

10.0 FINDING OF SUITABILITY TO TRANSFER

For ECP Category 1 Parcels:

Based on the information above, I conclude that the portion of the Property in ECP Category 1 qualifies as CERCLA §120(h)(4) uncontaminated property and is transferable under that section. In addition, all Department of Defense requirements to reach a Finding of Suitability to Transfer have been met, subject to the terms and conditions in the Environmental Protection Provisions that shall be included in the deed for the property. The deed will include the CERCLA 120(h)(4) Notice, Covenant, and Access Provisions and Other Deed Provisions, including a clause granting the US EPA and the DTSC access to the Property in any case in which a response or corrective action is found to be necessary after the date of transfer. Whereas no hazardous substances or petroleum products were stored for one year or more, known to have been released, or disposed of on the parcel, a hazardous substance or petroleum notification is not required.

¹² For the purposes of the FOST, “encumbrances” include mitigations (to be implemented by the Army) necessary to protect human health and the environment from impacts associated with the disposal of property at the former Fort Ord.

For ECP Category 2 Parcels:

The portion of the Property in ECP Category 2 has been identified as real property on which no hazardous substances were released or disposed of, but on which petroleum products or their derivatives are known to have been released or disposed of. Notice is hereby provided that diesel fuel was released from a 4,000-gallon underground storage tank on the Property, which was operated from approximately 1976 to 1990.

Based on the above information, I conclude that all response actions necessary to protect human health and the environment with respect to any petroleum product remaining on the Property have been taken prior to the date of this conveyance. In addition, all Department of Defense (DOD) requirements to reach a Finding of Suitability to Transfer have been met for the Property, subject to the terms and conditions set forth in the Environmental Protection Provisions (Attachment 5) that shall be included in the deed for the Property. The deed will also include the Notice of Release or Disposal of Petroleum Products, Covenant, and Access Provisions and Other Deed Provisions, including a clause granting the US EPA and the DTSC access to the Property in any case in which a response or corrective action is found to be necessary after the date of transfer. Finally, the petroleum product notification (Table 7 – Notification of Petroleum Product Storage, Release, or Disposal [Attachment 3]) shall be included in the deed as required under DOD FOST Guidance.

For ECP Category 3 and 4 Parcels:

Based on the above information, I conclude that all removal or remedial actions necessary to protect human health and the environment have been taken and the portion of the Property in ECP Categories 3 and 4 is transferable under CERCLA section 120(h)(3). In addition, all Department of Defense requirements to reach a Finding of Suitability to Transfer have been met for the Property, subject to the terms and conditions set forth in the Environmental Protection Provisions (Attachment 5) that shall be included in the deed for the Property. The deed will also include the CERCLA 120(h)(3) Notice, Covenant, and Access Provisions and Other Deed Provisions, including a clause granting the US EPA and the DTSC access to the Property in any case in which a response or corrective action is found to be necessary after the date of transfer. Finally, the hazardous substance notification (Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal [Attachment 3]) shall be included in the deed as required under the CERCLA Section 120(h) and DOD FOST Guidance.

AUG 15 2005

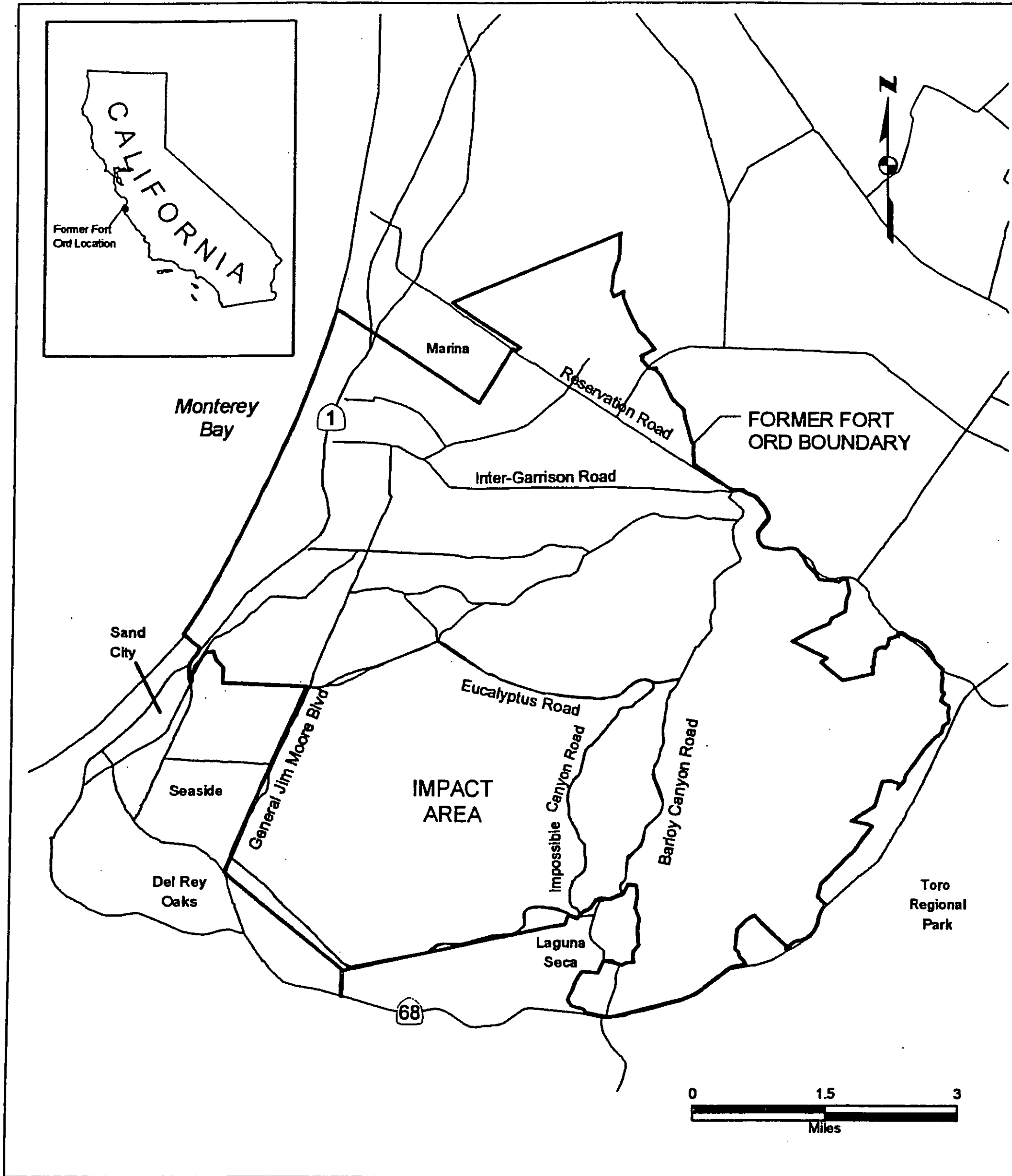


Thomas E. Lederle
Director, Hampton Field Office
Army BRAC

AUG 15 2005

ATTACHMENT 1

SITE MAPS OF PROPERTY



Track0_C-fig1.mxd - 7/25/05

PLATE

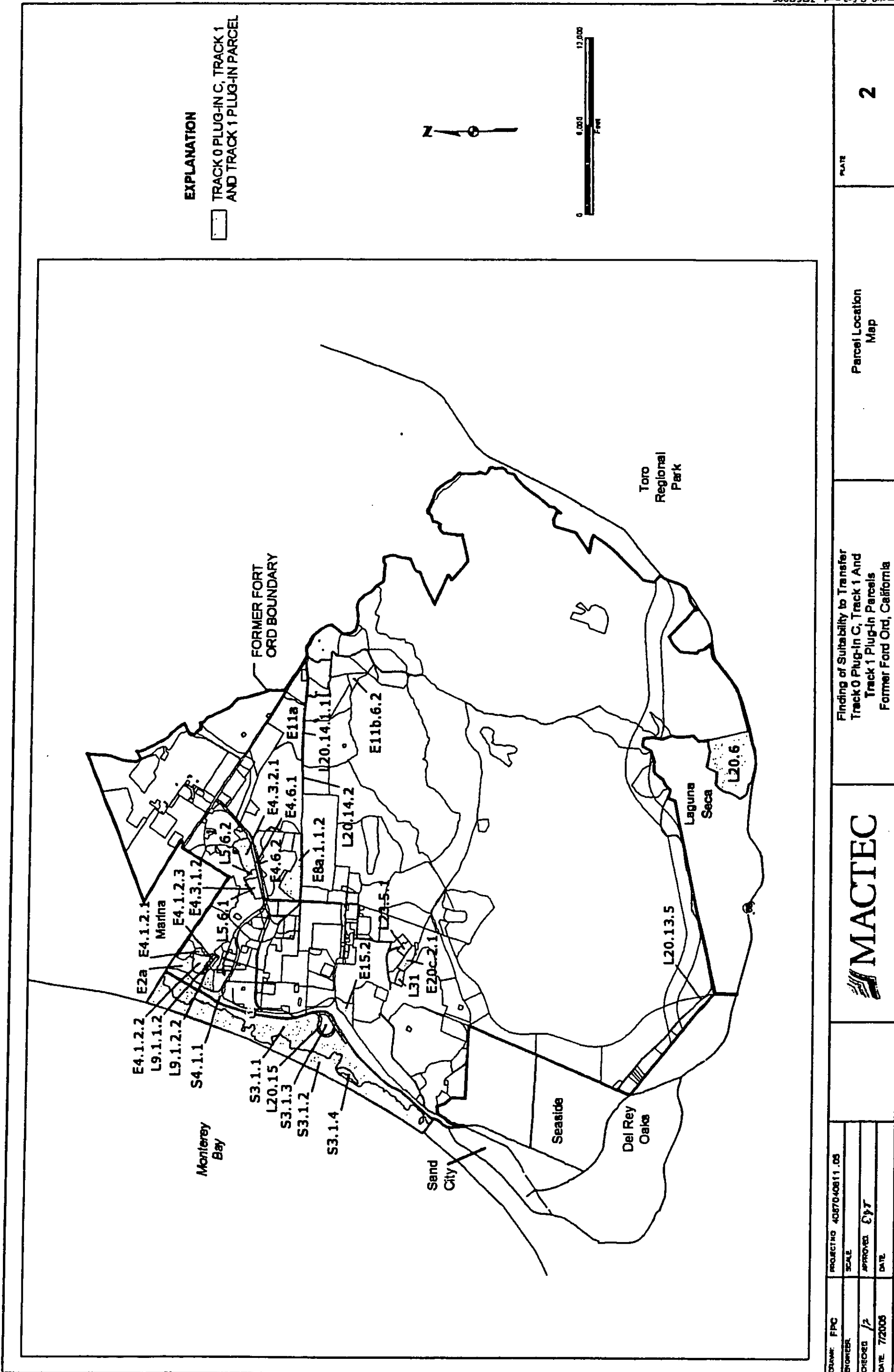


Site Location Map
 Finding of Suitability to Transfer
 Track 0 Plug-In C, Track 1 And
 Track 1 Plug-In Parcels
 Former Fort Ord, California

1

DRAWN	JOB NUMBER	CHECKED	APPROVED	DATE	REVISED DATE
FPC	4087040811.03	Egt	JF	7/2005	

Exhibit 'B'



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ENGINEER:	SCALE
CHECKED /s/	APPROVED CPT
DATE 7/20/05	DATE

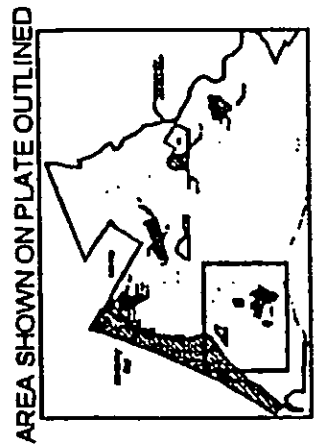
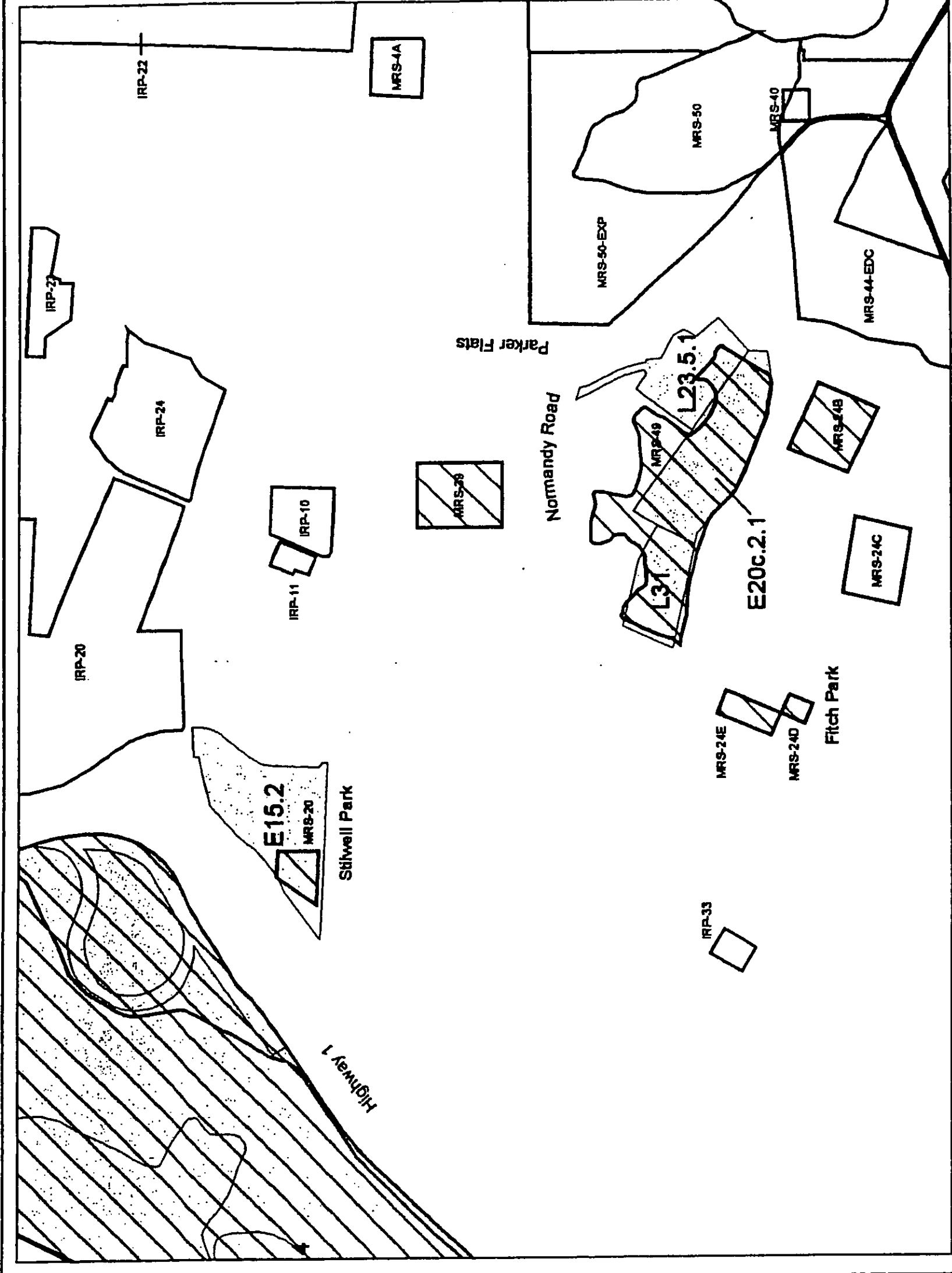


Finding of Suitability to Transfer
Track 0 Plug-In C, Track 1 And
Track 1 Plug-In Parcels
Former Fort Ord, California

Parcel Location
Map

PLATE

2

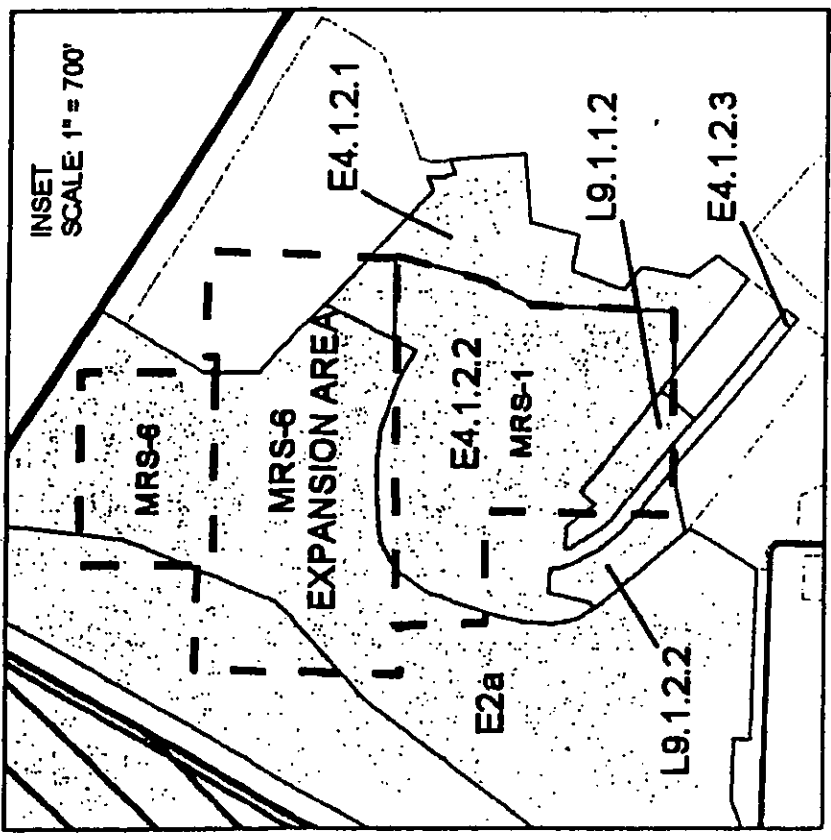
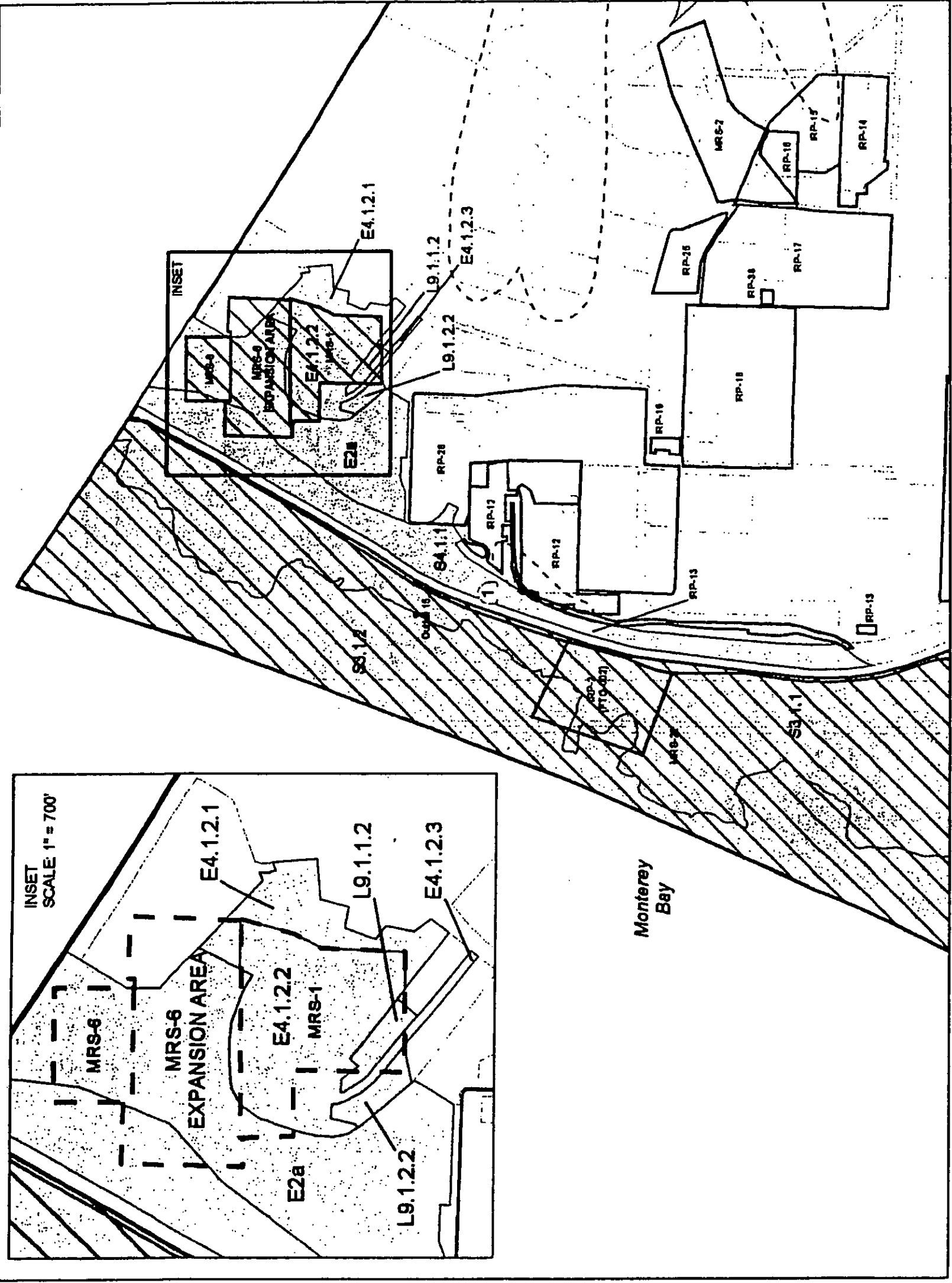
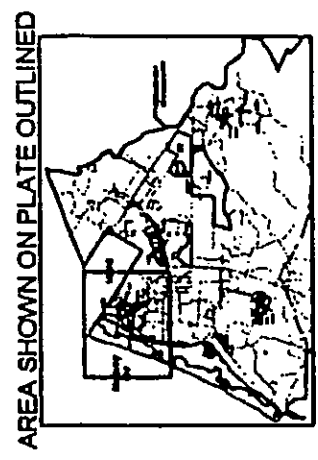
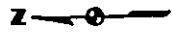
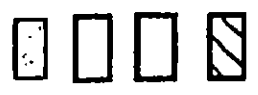


- EXPLANATION**
- TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1 PLUG-IN PARCEL
 - INSTALLATION RESTORATION PROGRAM SITE
 - MUNITIONS RESPONSE SITE
 - ▨ TRACK 1 MUNITIONS RESPONSE SITE

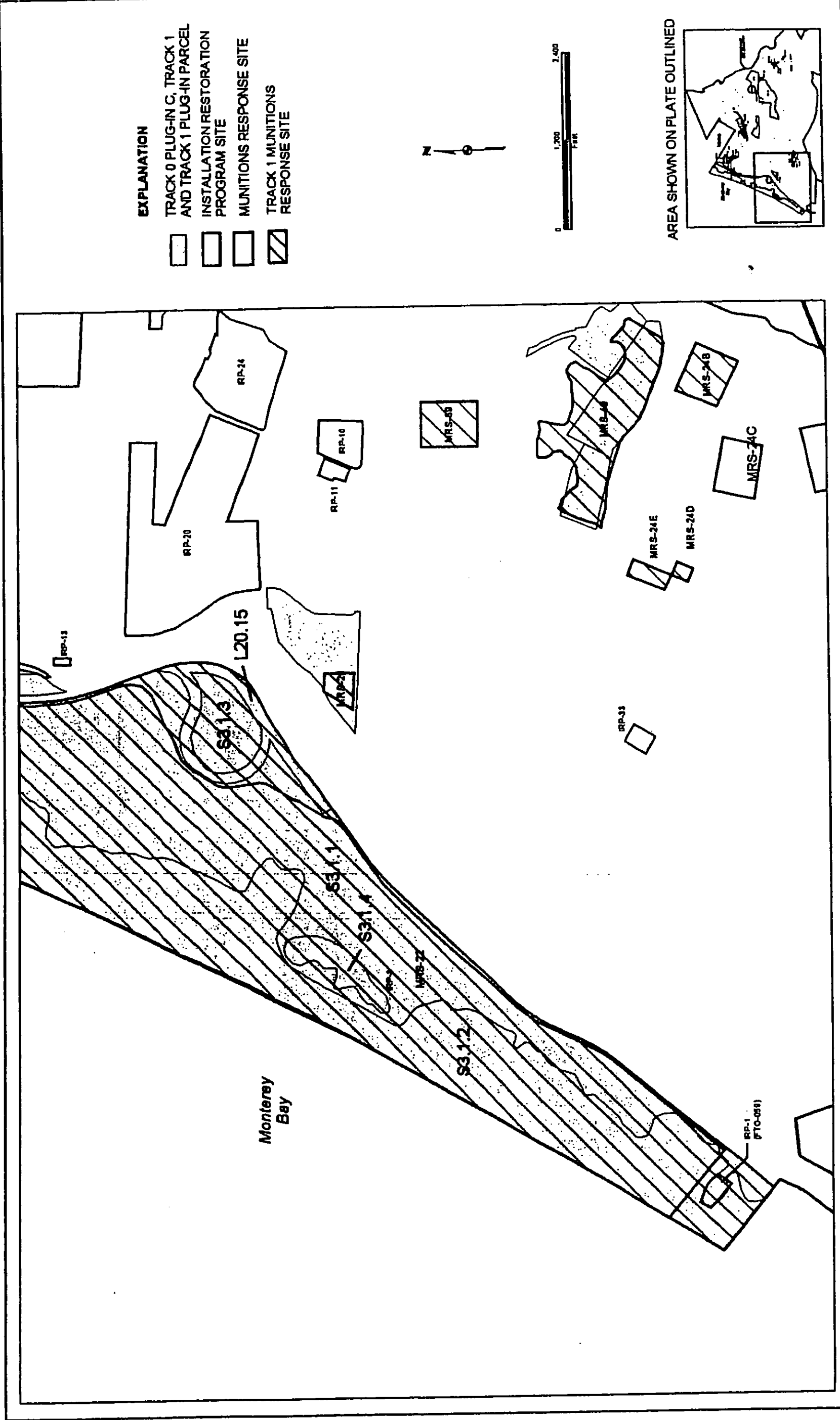


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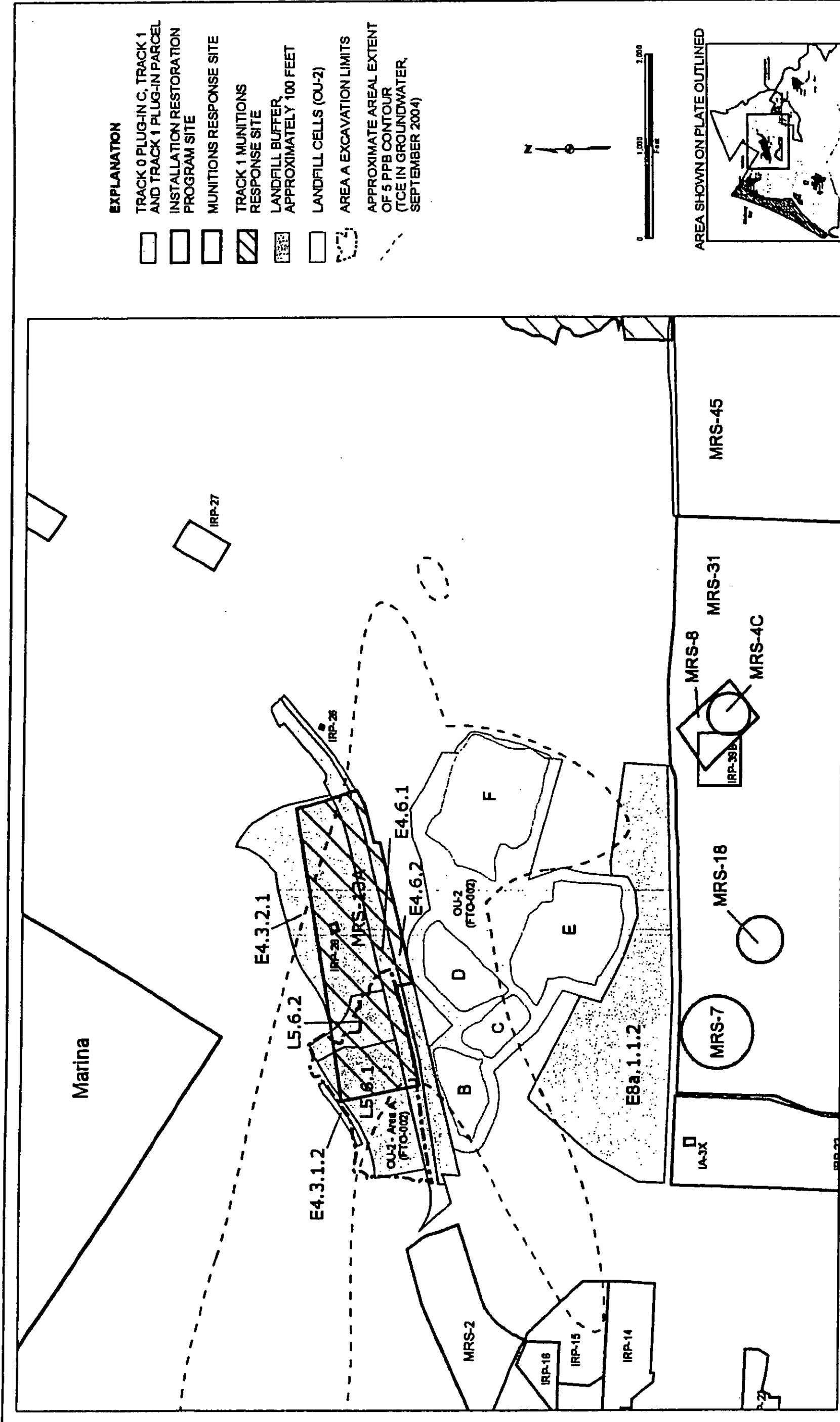
- EXPLANATION**
- TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1 PLUG-IN PARCEL
 - INSTALLATION RESTORATION PROGRAM SITE
 - MUNITIONS RESPONSE SITE
 - TRACK 1 MUNITIONS RESPONSE SITE
 - APPROXIMATE AREAL EXTENT OF 5 PFBS CONTOUR (TCE IN GROUNDWATER, SEPTEMBER 2004)



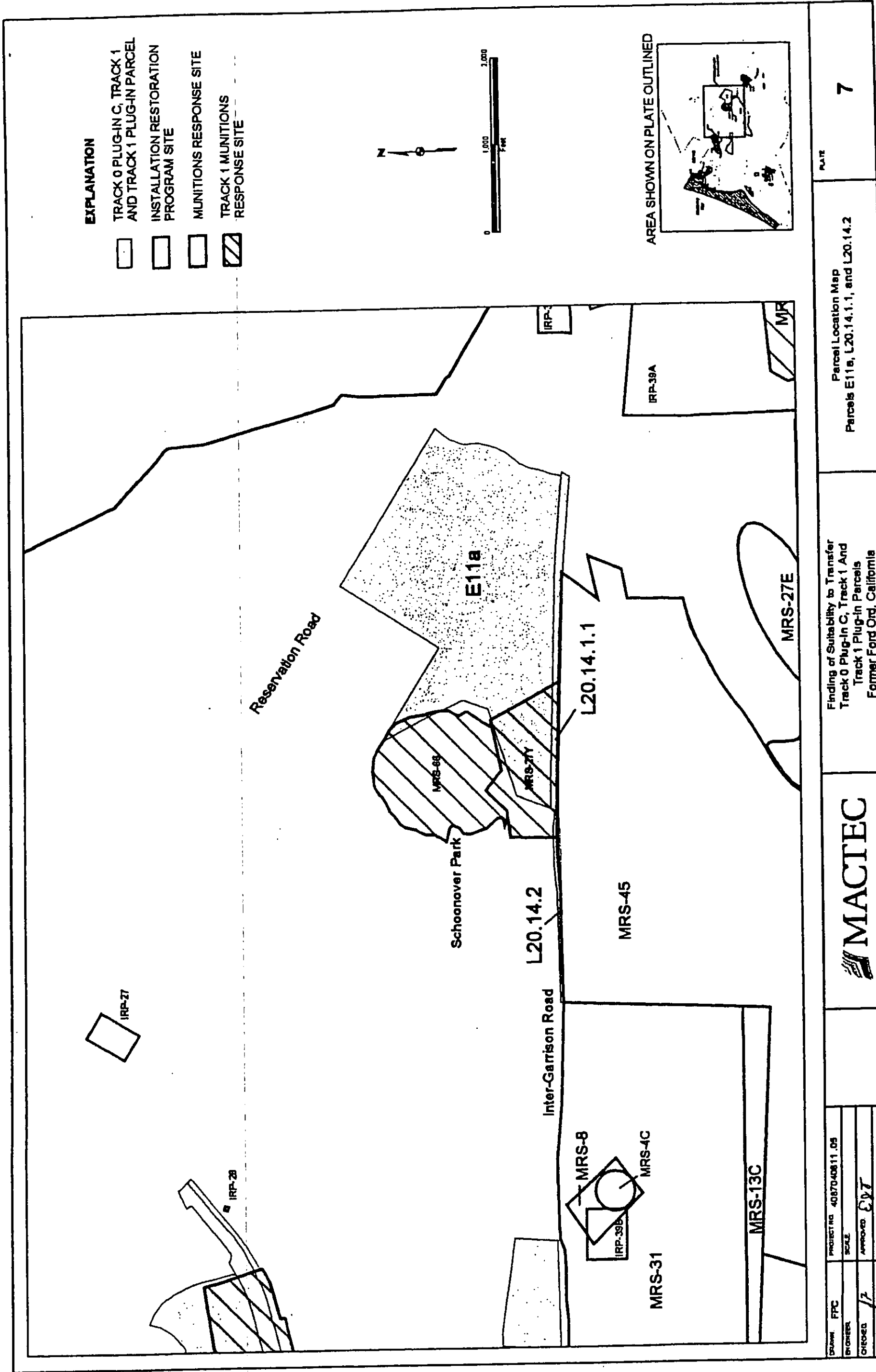
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NUMBER: 17	SCALE: 1" = 700'				
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DATE: 7/20/05	DATE:				



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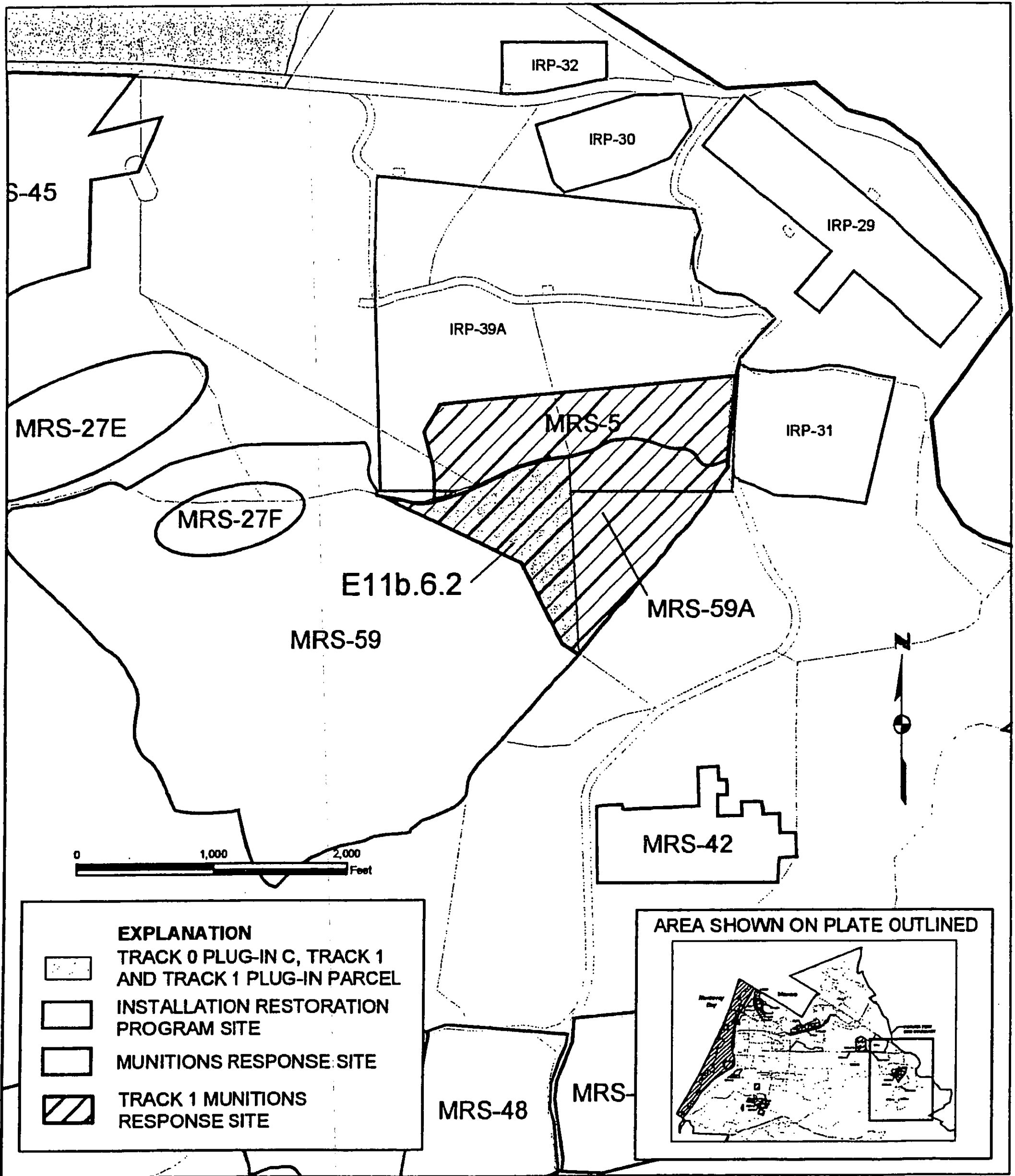


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PROJECT NO.	4087040811_05										
SCALE											
APPROVED	EJT										
DATE	7/20/05										

Finding of Suitability to Transfer
Track 0 Plug-In C, Track 1 And
Track 1 Plug-In Parcels
Former Ford Ord, California



track0_c_parcels-fig8.mxd - 7/25/2005

PLATE

Parcel Location Map - Parcel E11b.6.2

Finding of Suitability to Transfer
Track 0 Plug-In C, Track 1 And
Track 1 Plug-In Parcels
Former Ford Ord, California

8



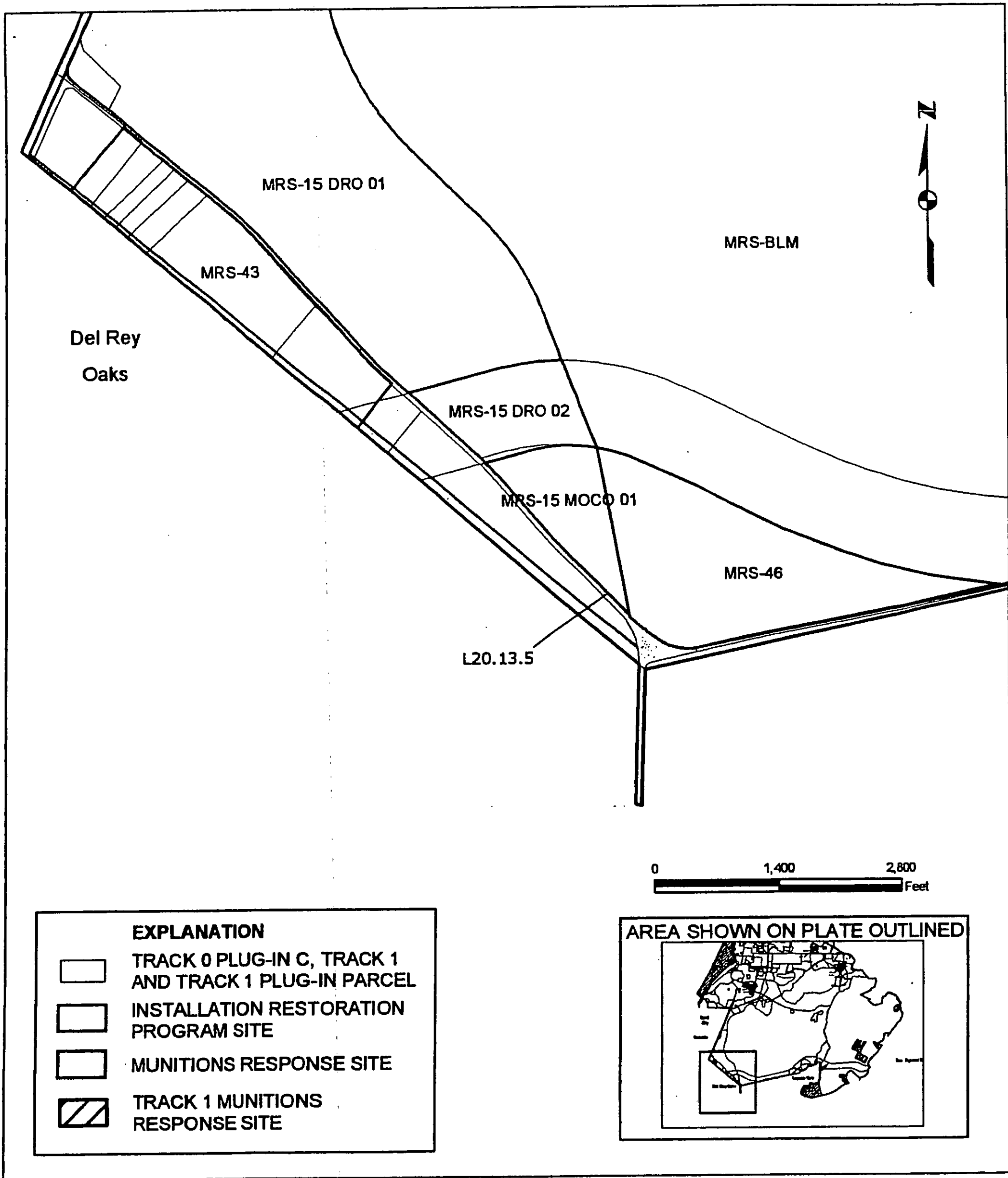
DRAWN
FPC

JOB NUMBER
4087040811 .05

CHECKED APPROVED
JZ EGT

DATE
4/2005

REVISED DATE



track0_c_parcels-fig9.mxd - 7/28/2005

PLATE

Parcel Location Map - Parcel L20.13.5

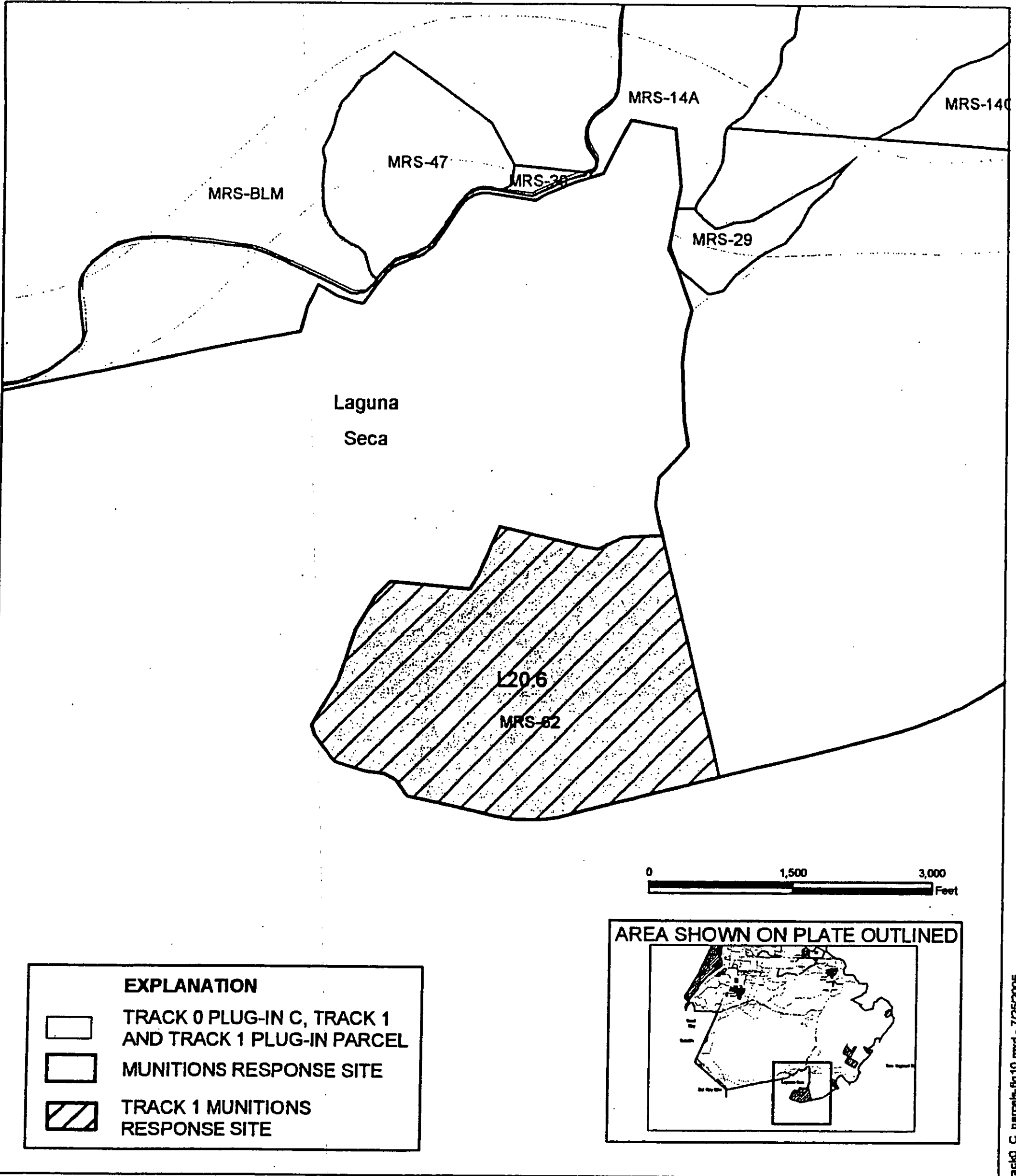
Finding of Suitability to Transfer
 Track 0 Plug-In C, Track 1 And
 Track 1 Plug-In Parcels
 Former Ford Ord, California

9



DRAWN	JOB NUMBER	CHECKED	APPROVED	DATE	REVISED DATE
FPC	4087040811 .05	JZ	EJT	7/2005	

Exhibit 'B'



track0_C_parcels-fig10.mxd - 7/25/2005



Parcel Location Map - Parcel L20.6

Finding of Suitability to Transfer
Track 0 Plug-In C, Track 1 And
Track 1 Plug-In Parcels
Former Ford Ord, California

PLATE

10

DRAWN
FPC

JOB NUMBER
4087040811 .05

CHECKED APPROVED
JF EJT

DATE
7/2005

REVISED DATE

Exhibit 'B'

ATTACHMENT 2

ENVIRONMENTAL DOCUMENTATION

Environmental Documentation¹

- Interim Final Report, Hazardous Waste Consultation NO. 37-26-0176-89, Evaluation of Solid Waste Management Units (September 1988)
- Results of Radon Survey conducted during FY89/FY90 at Fort Ord (FO), Presidio of Monterey (POM), and Fort Hunter Liggett, as required by Army policy. Memorandum (1990)
- Fort Ord Federal Facility Agreement (November 19, 1990)
- Asbestos Survey Report For U.S. Army Corps of Engineers, Fort Ord Installation, Fort Ord, California (April 26, 1993)
- Final Environmental Impact Statement Fort Ord Disposal and Reuse (June 1993)
- Baseline Risk Assessment, Remedial Investigation/Feasibility Study, Site 2 Landfills, Fort Ord, California (June 7, 1993)
- Fort Ord, California Disposal and Reuse Environmental Impact Statement, Record of Decision (December 1993)
- Archive Search Reports (December 1993, November 1994, and December 1997)
- Industrial Radiation Survey, Facility Close Out and Termination Survey, Fort Ord, California (January 10, 1994 – April 15, 1994)
- Final Community Environmental Response Facilitation Act (CERFA) Report (April 1994)
- U.S. Environmental Protection Agency (US EPA) Region IX's concurrence to the CERFA Report (April 19, 1994)
- Record of Decision, Operable Unit 2, Fort Ord Landfills, Fort Ord, California (July 15, 1994)
- OEW Sampling And OEW Removal Action, Fort Ord Final Report. (December 1, 1994)
- No Action Plug-In Record of Decision (February 16, 1995)
- Approval Memorandum, Proposed No Action, Site 26 – Sewage Pump Stations (Buildings 5871 and 6143), Fort Ord, California (August 10, 1995)
- Approval Memorandum, Proposed No Action, Site 28 – Barracks and Main Garrison Area, Fort Ord, California (August 10, 1995)

¹ The normal sequence for drafts and revisions of documents at the former Fort Ord is Preliminary Draft (for internal review and comment), Draft (for regulatory agency and public review and comment), and Draft Final (final document which addresses all comments from the regulatory agencies and the public). As such, the Draft Final version is typically considered to be the final version. On rare occasion, not all comments are resolved by the Draft Final stage and a Final version of the document will be issued.

Environmental Documentation

- Final Basewide Remedial Investigation/Feasibility Study (RI/FS), Fort Ord, California. Volumes I-V, (October 18, 1995)
- US EPA Region IX's concurrence that the Operable Unit 2 groundwater remedy is operating properly and successfully (Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume) (January 4, 1996)
- Supplemental Environmental Impact Statement Fort Ord Disposal and Reuse (June 1996)
- Field Investigation and Data Review, Solid Waste Management Units (August 1996)
- Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California (January 13, 1997)
- Interim Record of Decision, Site 3, Beach Trainfire Ranges, Fort Ord, California (January 13, 1997)
- Draft Final Site Investigation Report, Buildings 2253, 3803, 4362, and 4534, Former Fort Ord, California (March 4, 1997)
- Installation-Wide Multispecies Habitat Management Plan (HMP) for Former Fort Ord, California (April 1997)
- Fort Ord, California Disposal and Reuse Final Supplemental Environmental Impact Statement, Record of Decision (June 1997)
- Lead Investigation Summary Peninsula Outreach, Marina Sports Center and Salvation Army Parcels and the Marshall and Stilwell Park Housing Areas, Former Fort Ord, California (July 28, 1997)
- Interim Action Confirmation Report, Site 1 Ord Village Sewage Treatment Plant, Fort Ord, California (December 10, 1997)
- Underground And Aboveground Storage Tank Management Plan Update, Former Fort Ord and Presidio of Monterey, Monterey County, California (March 13, 1998)
- Interim Action Confirmation Report, Outfall 15, Former Fort Ord, California (September 3, 1998)
- Interim Action Confirmation Report, Site 39A – East Garrison Ranges, Former Fort Ord, California (October 16, 1998)
- Biological and Conference Opinion on the Closure and Reuse of Fort Ord, Monterey County, California (1-8-99-F/C-39R) (March 30, 1999)
- Ordnance and Explosives (OE) RI/FS Literature Review Report, Former Fort Ord, California (January 2000)

Environmental Documentation

- Track 0 Technical Memorandum, Ordnance and Explosives Remedial Investigation/ Feasibility Study, Former Fort Ord, California (January 21, 2000)
- Superfund Proposed Plan: No Action Is Proposed For Selected Areas At Fort Ord, California (February 1, 2000)
- Draft Final Post-Closure Operation and Maintenance Plan, Areas B through F Remedial Action, Operable Unit 2 Landfills, Fort Ord, California (May 2000)
- Final Remedial Action Confirmation Report and Post-Remediation Risk Assessment, Site 3 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California. Volumes I and II (August 2000)
- Lead-Based Paint Risk Assessment, Patton Park Housing, Former Fort Ord, California (March 7, 2001), and Addendum (June 13, 2002)
- Draft Final Remedial Action Confirmation Report and Post-Remediation Screening Risk Evaluation, Area A Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0 (April 2001)
- Technical Memorandum, Support Documentation, Potential OE Issues, Parcel E4.3.1, Finding of Suitability for Early Transfer, Housing Areas and Former Garrison Parcels, Former Fort Ord, California (May 2, 2001)
- Draft Final Landfill Gas Perimeter Probe Monitoring Report, June, September, December 2000 and May 2001, Operable Unit 2 Landfill, Former Fort Ord, California, Revision 0 (February 2002)
- Final Record of Decision, No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (June 19, 2002)
- Draft Final Field Investigation and Data Review, Solid Waste Management Units, Fort Ord, California (July 2002)
- US EPA Region IX's concurrence: Demonstration that Remedial Action is "Operating Properly and Successfully," Sites 2/12 Groundwater Remedy, Former Fort Ord, California (July 3, 2002)
- Biological Opinion on the Closure and Reuse of Fort Ord, Monterey County, California, as it affects Monterey Spineflower Critical Habitat, (1-8-01-F-70R) (October 22, 2002)
- Draft Final Landfill Gas Perimeter Probe Monitoring Report, 2001, Operable Unit 2 Landfill, Former Fort Ord, California, Revision 0 (October 2002)
- Draft Final Landfill Gas Perimeter Probe Monitoring Report, 2002, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0 (April 2004)
- Final Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California (June 2004)

Environmental Documentation

- Final Landfill Gas Perimeter Probe Monitoring Report, 2003, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0 (November 2004)
- Draft Final Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, Former Fort Ord, California, Revision 0 (January 2005)
- Draft Track 2 Munitions Response Remedial Investigation/Feasibility Study, Parker Flats Munitions Response Area, Former Fort Ord California (January 2005)
- Draft Final Report, 2003 Ambient Air Monitoring and Human Health Risk Assessment, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0 (March 2005)
- Draft Final Work Plan, Landfill Gas System Expansion, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0 (March 2005)
- Draft Annual Report of Quarterly Monitoring, October 2003 through September 2004, Groundwater Monitoring Program, Former Fort Ord, California (March 4, 2005)
- Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22); Former Fort Ord, California (March 10, 2005)
- Biological Opinion on Cleanup and Reuse of Former Fort Ord, Monterey County, California, as it affects California Tiger Salamander and Critical Habitat for Contra Costa Goldfields, (1-8-04-F-25R) (March 14, 2005)
- Final Report, Clay Target Debris and Lead Shot Management, East Garrison Trap and Skeet Range, Former Fort Ord, California (March 17, 2005)
- Final Comprehensive Basewide Range Assessment Report, Former Fort Ord, California, Revision 0 (March 31, 2005)
- Explanation of Significant Differences, Final Record of Decision, No Action Regarding Ordnance-Related Investigations (Track 0 ROD), Former Fort Ord, California (April 5, 2005)
- Track 0 Plug-In Approval Memorandum, Selected Parcels – Group C, Former Fort Ord, California (July 1, 2005)
- Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area, Former Fort Ord, California (May 2005)

ATTACHMENT 3

TABLES

Table 1 - Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
E11a (147)	FORA	Habitat Management	No buildings or structures	---	No buildings or structures
E11b.6.2 (18)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
E15.2 (29)	FORA	Open Space	No buildings or structures	---	No buildings or structures
E20c.2.1 (25)	FORA	Future Housing	No buildings or structures	---	No buildings or structures
E2a (63)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
E4.1.2.1 (10)	FORA	Housing	8726 - 8727	Yes	Yes
			8708	Yes	Yes
			8568 - 8569	Yes	Yes
			8560 - 8562	Yes	Yes
			8555	Yes	Yes
			8529	Yes	Yes
			8515	Yes	Yes
E4.1.2.2 (26)	FORA	Housing	8516 - 8528	Yes	Yes
			8709 - 8717	Yes	Yes
			8727 - 8731	Yes	Yes
			8563 - 8568	Yes	Yes
		Sewage Pump Station	8775	Not Surveyed	Yes
E4.1.2.3 (1)	FORA	Right-of-way, Booker Street	No buildings or structures	---	No buildings or structures
E4.3.1.2 (1)	FORA	Housing	No buildings or structures	---	No buildings or structures
E4.3.2.1 (46)	FORA	Housing	6016 - 6019	Yes	No
			6021 - 6024	Yes	No
			6026 - 6073	Yes	No
			6078 - 6079	Yes	No
		Sewage Pump Station	6143	No	No

Table 1 – Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
E4.6.1 (25)	FORA	Right-of-way, Imjin Road	No buildings or structures	---	No buildings or structures
E4.6.2 (17)	FORA	Right-of-way, Imjin Road	5871	No	Yes
			5871A	Not Surveyed	Yes
E8a.1.1.2 (85)	FORA	Non-irrigated Open Space	4A39	Not Surveyed	Yes
L20.13.5 (7)	FORA	Right-of-way, South Boundary Road	No buildings or structures	---	No buildings or structures
L20.14.1.1 (8)	FORA	Right-of-way, Intergarrison Road	No buildings or structures	---	No buildings or structures
L20.14.2 (3)	FORA	Right-of-way, Intergarrison Road	No buildings or structures	---	No buildings or structures
L20.15 (20)	FORA	Development	No buildings or structures	---	No buildings or structures
L20.6 (247)	Monterey County	Laguna Seca Park	No buildings or structures	---	No buildings or structures
L23.5.1 (15)	Monterey Peninsula College	School	4360 - 4367	4360-4366 Yes (4367 - not surveyed)	Yes
L31 (12)	Veterans Transition Center	Housing	No buildings or structures	---	No buildings or structures
L5.6.1 (23)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
L5.6.2 (8)	FORA	Marina Park Offices	6009 - 6010	Yes	No
			6014 - 6015	Yes	No
L9.1.1.2 (2)	Veterans Transition Center	Housing	8714 - 8719	Yes	Yes
L9.1.2.2 (2)	Veterans Transition Center	Housing	8732 - 8735	Yes	Yes
S3.1.1 (477)	California Department of Parks and Recreation	State Park	5989	Not Surveyed	Yes
			2066	Yes	Yes
			2076A – 2076I	2076A – B and 2076D – I yes, 2076C no	Yes

Table 1 – Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
			2076J – 2076S	Not surveyed	Yes
			TR9070	Yes	No
			2019	No	Yes
			922	No	Yes
			924	No	Yes
			914 - 915	No	Yes
			919	No	Yes
			919A	Not surveyed	Yes
S3.1.2 (468)	California Department of Parks and Recreation	State Park	No buildings or structures	---	No buildings or structures
S3.1.3 (22)	California Department of Parks and Recreation	State Park	1A99	Yes	Yes
S3.1.4 (13)	California Department of Parks and Recreation	State Park	916	No	Yes
S4.1.1 (72)	Caltrans	Right-of-way, Highway 1	No buildings or structures	---	No buildings or structures

¹ The presence or absence of lead-based paint (LBP) is assumed based on the date of construction. If the date of construction is not known, it is assumed that the building contains LBP.

Table 2 – Track 0 Plug-In Parcels Associated with Track 1 Sites (Group C)

Parcel Number	Approximate Total Parcel Acreage	Track 1 Sites Overlapping the Parcel	Sites Adjacent to the Parcel	Approximate Parcel Acreage Outside Track 1 Sites ¹	Approximate Parcel Acreage Within Track 1 Sites ²
E11a	147.3	MRS-27Y, MRS-66	MRS-45	138.6	8.7
E15.2	28.7	MRS-20	---	25.2	3.5
E20c.2.1	25.4	MRS-49	---	1.8	23.6
E2a	63.1	MRS-1, MRS-6, MRS-6 Expansion Area	---	19.1	44
E4.1.2.1	10.0	MRS-6 Expansion Area	MRS-1	8.8	1.2
E4.1.2.2	26.2	MRS-1, MRS-6 Expansion Area	---	0	26.2
E4.1.2.3	1.0	---	MRS-1	1.0	0
E4.3.1.2	1.2	---	MRS-13A	1.2	0
E4.3.2.1	46.2	MRS-13A	---	17.6	28.6
E4.6.1	25.1	MRS-13A	---	11.6	13.5
E4.6.2	16.4	MRS-13A	---	10.4	6.0
E8a.1.1.2	85.3	---	MRS-4C, MRS-7, MRS-8, MRS-18, MRS-31	85.3	0
L20.13.5	6.7	---	MRS-46, MRS-DRO.1, MRS-DRO.2, MRS-MOCO.1	6.7	0
L20.14.1.1	8.4	MRS-27Y	MRS-45	5.8	2.6
L20.14.2	3.2	MRS-27Y	MRS-45	2.9	0.3
L23.5.1	15.3	MRS-49	MRS-50EXP	13.1	2.1
L31	11.7	MRS-49	---	1.7	10.0
L5.6.1	22.6	MRS-13A	---	13.7	8.9
L5.6.2	8.5	MRS-13A	---	1.3	7.2

¹ Determination of suitability to transfer the portion of the Track 0 Plug-in parcel outside of the Track 1 sites is supported by the *Track 0 Plug-in Approval Memorandum, Selected Parcels – Group C* (July 1, 2005).

² Determination of suitability to transfer the portion of the Track 0 Plug-in parcel within the Track 1 sites is supported by the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern—Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22)* (Track 1 ROD; March 10, 2005), and the *Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area*, (May 6, 2005).

Table 2 – Track 0 Plug-In Parcels Associated with Track 1 Sites (Group C)

Parcel Number	Approximate Total Parcel Acreage	Track 1 Sites Overlapping the Parcel	Sites Adjacent to the Parcel	Approximate Parcel Acreage Outside Track 1 Sites ¹	Approximate Parcel Acreage Within Track 1 Sites ²
L9.1.1.2	2.2	MRS-1	---	0.5	1.7
L9.1.2.2	2.4	MRS-1	---	0.3	2.1
S4.1.1	72.1	MRS-6, MRS-6 Expansion Area	MRS-22	68.2	3.9

Table 3 – Track 1 Parcels and Associated Track 1 Sites¹

Parcel Number	Approximate Total Parcel Acreage	Track 1 Sites Overlapping the Parcel	Sites Adjacent to the Parcel	Approximate Parcel Acreage Outside Track 1 Sites	Approximate Parcel Acreage Within Track 1 Sites
E11b.6.2	17.8	MRS-59A	MRS-5, MRS-59	0	17.8
L20.15	20.0	MRS-22	---	0	20.0
L20.6	247.2	MRS-62	---	0	247.2
S3.1.1	476.8	MRS-22	---	0	476.8
S3.1.2	468.2	MRS-22	---	0	468.2
S3.1.3	21.9	MRS-22	---	0	21.9
S3.1.4	12.6	MRS-22	---	0	12.6

¹ Determination of suitability to transfer the Track 1 parcels is supported by the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern—Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22)* (Track 1 ROD; March 10, 2005).

Table 4 – Applicable Decision Documents by Parcel

Parcel Number	Applicable Decision Documents Supporting Determination of Suitability to Transfer
E11a	<ul style="list-style-type: none"> • Final Community Environmental Response Facilitation Act (CERFA) Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Plug-In Approval Memorandum, Selected Parcels – Group C (Track 0 Approval Memo – Group C [2005]) • Record of Decision, No Further Action Related to Munitions and Explosives of Concern—Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22) (Track 1 ROD [2005])
E11b.6.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)
E15.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
E20c.2.1	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
E2a	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • Track 1 Plug-In Approval Memo, MRS-6 Expansion Area (2005)
E4.1.2.1	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • DTSC Concurrence Letter, Patton Park Housing Suitable for Unrestricted Use (June 2003) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • Track 1 Plug-In Approval Memo, MRS-6 Expansion Area (2005)
E4.1.2.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • DTSC Concurrence Letter, Patton Park Housing Suitable for Unrestricted Use (June 2003) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • Track 1 Plug-In Approval Memo, MRS-6 Expansion Area (2005)
E4.1.2.3	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • DTSC Concurrence Letter, Patton Park Housing Suitable for Unrestricted Use (June 2003) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)

Table 4 – Applicable Decision Documents by Parcel

E4.3.1.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • Explanation of Significant Differences, Final Record of Decision, No Action Regarding Ordnance-Related Investigations (Track 0 ROD) (ESD, Track 0 ROD [2005])
E4.3.2.1	<ul style="list-style-type: none"> • Final CERFA Report (1994) • No Action Plug-In Record of Decision (ROD) (1995) • Approval Memorandum, Proposed No Action, Site 26 – Sewage Pump Stations (Buildings 5871 and 6143) (1995) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
E4.6.1	<ul style="list-style-type: none"> • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Remedial Action Confirmation Report and Post-Remediation Screening Risk Evaluation, Area A Operable Unit 2 Landfills (April 2001) • Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, (2005) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • ESD, Track 0 ROD (2005)
E4.6.2	<ul style="list-style-type: none"> • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, (2005) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
E8a.1.1.2	<ul style="list-style-type: none"> • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • ESD, Track 0 ROD (2005)
L20.13.5	<ul style="list-style-type: none"> • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • ESD, Track 0 ROD (2005)
L20.14.1.1	<ul style="list-style-type: none"> • CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
L20.14.2	<ul style="list-style-type: none"> • CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
L20.15	<ul style="list-style-type: none"> • Interim Record of Decision, Site 3 Beach Trainfire Ranges (January 1997) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)
L20.6	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)

Table 4 – Applicable Decision Documents by Parcel

L23.5.1	<ul style="list-style-type: none"> • Final CERFA Report (1994) • MCDOH Closure Letter, USTs 4362.1 and 4362.2 (January 1997) • RWQCB Closure Letter, USTs 4362.1 and 4362.2 (February 1997) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
L31	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
L5.6.1	<ul style="list-style-type: none"> • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Remedial Action Confirmation Report and Post-Remediation Screening Risk Evaluation, Area A Operable Unit 2 Landfills (April 2001) • Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, (2005) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • ESD, Track 0 ROD (2005)
L5.6.2	<ul style="list-style-type: none"> • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • Remedial Action Confirmation Report and Post-Remediation Screening Risk Evaluation, Area A Operable Unit 2 Landfills (April 2001) • Remedial Action Construction Completion Report, Operable Unit 2 Landfills, Areas A through F, (2005) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • ESD, Track 0 ROD (2005)
L9.1.1.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • DTSC Concurrence Letter, Patton Park Housing Suitable for Unrestricted Use (June 2003) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
L9.1.2.2	<ul style="list-style-type: none"> • Final CERFA Report (1994) • Fort Ord – CERCLA §120(h)(3) Transfer of Property Overlying OU-2 (Landfills) Groundwater Plume (1996) • DTSC Concurrence Letter, Patton Park Housing Suitable for Unrestricted Use (June 2003) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005)
S3.1.1	<ul style="list-style-type: none"> • Record of Decision, Basewide Remedial Investigation Sites (Basewide RI Sites ROD [1997]) • Interim Action Confirmation Report, Site 1 Ord Village Sewage Treatment Plant (1997) • DHS Memorandum, With Respect to Radiological Issues, Building 916 Released for Unrestricted Use (October 1997) • MCDOH Closure Letters, USTs 2076.1 and 2076.2 (January 1994) and UST 2070.1 (January 1997) • Interim Action Confirmation Report, Outfall 15 (1998) • Final Remedial Action Confirmation Report and Post-Remediation Risk Assessment, Site 3 Remedial Action, Basewide Remediation Sites (2000) • Demonstration that Remedial Action is “Operating Properly and Successfully,” Sites 2/12 Groundwater Remedy (2002) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)

Table 4 – Applicable Decision Documents by Parcel

S3.1.2	<ul style="list-style-type: none"> • Basewide RI Sites ROD (1997) • Final Remedial Action Confirmation Report and Post-Remediation Risk Assessment, Site 3 Remedial Action, Basewide Remediation Sites (2000) • Demonstration that Remedial Action is “Operating Properly and Successfully,” Sites 2/12 Groundwater Remedy (2002) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)
S3.1.3	<ul style="list-style-type: none"> • Interim Record of Decision, Site 3 Beach Trainfire Ranges (January 1997) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)
S3.1.4	<ul style="list-style-type: none"> • Final Remedial Action Confirmation Report and Post-Remediation Risk Assessment, Site 3 Remedial Action, Basewide Remediation Sites (2000) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 1 ROD (2005)
S4.1.1	<ul style="list-style-type: none"> • Final CERFA Report (1994) • No Action Plug-In ROD (1995) • Approval Memorandum, Proposed No Action, Site 28 – Barracks and Main Garrison Area (1995) • Demonstration that Remedial Action is “Operating Properly and Successfully,” Sites 2/12 Groundwater Remedy (2002) • Final Comprehensive Basewide Range Assessment Report (2005) • Track 0 Approval Memo – Group C (2005) • Track 1 ROD (2005) • Track 1 Plug-In Approval Memo, MRS-6 Expansion Area (2005)

Table 5 – Environmental Condition of Property

Parcel Designation	Condition Category ¹	Remedial Actions
E11a	1	None; parcel was categorized as CERFA Uncontaminated, however; portions of parcel include MRS-27Y and MRS-66, which were identified after completion of CERFA investigation. MRS-27 and MRS-66 were categorized as a Track 1 sites and were evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, require no further action related to MEC. MRS-27Y and MRS-66 were also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-27Y was identified as HA-157 and MRS-66 was identified as HA-196. Evaluation of HA-157 included literature search and review of the information gathered during the assessment and military munitions sampling conducted at MRS-27Y and adjacent MRSs. Based on results of literature search and absence of munitions debris observed during sampling, no further action related to chemical contamination was recommended for HA-157 (MRS-27Y) under the Fort Ord BRA. Evaluation of HA-196 included literature search, site reconnaissance, and mapping. No military munitions, concentrations of spent small arms ammunition or targets were found during site reconnaissance conducted at HA-196. No further investigation for chemical contamination was recommended for HA-196 (MRS-66) under the Fort Ord BRA. Based on this information Parcel E11a meets the definition of CERFA Uncontaminated property.
E11b.6.2	1	None; parcel was categorized as CERFA Uncontaminated; however, parcel includes small portion of area evaluated as part of overall investigation of Site 39A, East Garrison Ranges, and portion of MRS-59A, which was identified after completion of the CERFA investigation. A release at Site 39A (Interim Action Site 39A) occurred in target areas of former small arms ammunition firing ranges approximately 600 feet north and northeast and outside of the parcel boundary. MRS-59A was categorized as a Track 1 site and was evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-59A was also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-59A was included within HA-189. Evaluation of HA-189 included literature search, site reconnaissance, and mapping. No military munitions, concentrations of spent small arms ammunition or targets were found during site reconnaissance conducted at HA-189. No further investigation for chemical contamination was recommended for HA-189 (including MRS-59A) under the Fort Ord BRA. Based on this information Parcel E11b.6.2 meets the definition of CERFA Uncontaminated property.
E15.2	1	None; portion of parcel was categorized as CERFA Qualified because it includes MRS-20. MRS-20 was categorized as a Track 1 site and was evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-20 was also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-20 was identified as HA-122. Based on results of a literature search and no military munitions observed during sampling conducted at MRS-20, no further action related to chemical contamination was recommended for HA-122 (MRS-20) under the Fort Ord BRA. A portion of the parcel was categorized as CERFA Qualified because of presence of ACM and probable LBP in buildings adjacent to parcel; however, no buildings are present on Parcel E15.2. Remainder of parcel was categorized as CERFA Uncontaminated. Based on this information Parcel E15.2 meets the definition of CERFA Uncontaminated property.

Table 5 – Environmental Condition of Property

Parcel Designation	Condition Category ¹	Remedial Actions
E20c.2.1 and L31	1	None; Parcel E20c.2.1 was categorized as CERFA Uncontaminated. Portion of Parcel L31 was categorized as CERFA Uncontaminated and remainder was categorized as CERFA Qualified because of presence of ACM and probable LBP in buildings adjacent to parcel; however, no buildings are present on Parcel L31. Both parcels include portion of MRS-49 identified after completion of CERFA investigation. MRS-49 was categorized as a Track 1 site and was evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-49 was also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-49 was identified as HA-179. Evaluation of HA-179 included literature search, site reconnaissance, and mapping. No military munitions, concentrations of spent small arms ammunition or targets were found during site reconnaissance conducted at HA-179. No further investigation for chemical contamination was recommended for HA-179 (MRS-49) under the Fort Ord BRA. Based on this information Parcels E20c.2.1 and L31 meet the definition of CERFA Uncontaminated property.
L20.6	1	None; parcel was categorized as CERFA Uncontaminated; however, parcel includes MRS-62, which was identified after completion of CERFA investigation. MRS-62 was categorized as a Track 1 site and was evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-62 was also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-62 was identified as HA-192. Evaluation of HA-192 included literature search, site reconnaissance, and mapping. Only expended blank small arms ammunition casings were observed. No other evidence of military training was observed during site reconnaissance and no further investigation for chemical contamination was recommended for HA-192 (MRS-62) under the Fort Ord BRA. Based on this information Parcel L20.6 meets the definition of CERFA Uncontaminated property.
L20.13.5	1	None; parcel was categorized as CERFA Qualified (Parcel 176) because of its proximity to the former Impact Area; however, parcel comprises a portion of South Boundary Road and is located outside of the fenced Impact Area. No evidence was observed during the CERFA assessment to indicate storage, release, or disposal of hazardous substances or petroleum products or their derivatives within this parcel; therefore, this parcel meets the definition of CERFA Uncontaminated property.
L20.14.1.1 and L20.14.2	1	None; parcels comprise Intergarrison Road and associated right-of-ways. Parcels were categorized as CERFA Uncontaminated; however, parcels include a portion of MRS-27Y identified after completion of CERFA investigation. MRS-27Y was categorized as a Track 1 site and was evaluated in the Track 1 OE RI/FS and, in accordance with the Track 1 ROD, requires no further action related to MEC. MRS-27Y was also evaluated for potential presence of chemical contamination related to use of military munitions as part of the BRA. Under the BRA MRS-27Y was identified as HA-157. Evaluation of HA-157 included literature search and review of information gathered during site assessment and military munitions sampling conducted at MRS-27Y and adjacent munitions response sites. Based on results of the literature search and no munitions debris observed during sampling, no further action related to chemical contamination was recommended for HA-157 (MRS-27Y) under the Fort Ord BRA. Based on this information Parcels L20.14.1.1 and L20.14.2 meet the definition of CERFA Uncontaminated property.

Table 5 – Environmental Condition of Property

Parcel Designation	Condition Category ¹	Remedial Actions
L20.15 and S3.1.3	1	Parcels categorized as CERFA Disqualified (Parcels 20 and 45) because of release at IRP Site 3 and presence of construction debris in Parcel S3.1.3. Parcels categorized as CERFA Qualified (Parcels 20 and 45) because of ACM, LBP and MRS-22; however, parcels are not part of former range areas within IRP Site 3 and MRS-22 and did not require remediation. MRS-22 is designated a Track 1 site in the Track 1 ROD. Based on review of existing information, MEC is not expected to be found at MRS-22 and no further military munitions investigation is required. Based on this information Parcels L20.15 and S3.1.3 meet the definition of CERFA Uncontaminated property.
S3.1.4	1	Parcel categorized as CERFA Disqualified (Parcel 45) because of release at IRP Site 3 and CERFA Qualified (Parcel 45) because of presence of ACM, LBP and MRS-22; however, parcel is not part of former range areas within IRP Site 3 and MRS-22 and did not require remediation. MRS-22 is designated a Track 1 site in the Track 1 ROD. Based on review of existing information, MEC is not expected to be found at MRS-22 and no further military munitions investigation is required. Based on this information Parcel S3.1.4 meets the definition of CERFA Uncontaminated property.
L23.5.1	2	Parcel categorized as CERFA Disqualified (Parcel 40) because of petroleum storage in USTs and CERFA Qualified (Parcels 40 and 117) because of ACM in buildings on parcel. 800 cubic yards of petroleum impacted soil removed. Remaining soil could not be removed without threatening structural integrity of buildings. Vadose zone leaching model (VLEACH) used to evaluate potential impacts to groundwater from hydrocarbons remaining in soil. VLEACH modeling indicated concentrations of organic compounds remaining in soil do not pose significant threat to groundwater. Monterey County Department of Health (MCDOH) and California Regional Water Quality Control Board (RWCQB) granted closure for USTs 4362.1 and 4362.2 in letters dated January 6 and February 10, 1997, respectively.
E2a	3	<p>Parcel categorized as CERFA Qualified (Parcels 4, 128, 191) because of the presence of ACM, probable LBP, MRS-1 and MRS-6, and CERFA Disqualified (Parcels 2, 3 and 4) because of potential for release of sewage, petroleum storage and they overlie the Fort Ord Landfills (OU 2) groundwater plume. Migration of volatile organic compounds (VOCs) from the OU 2 groundwater plume but at concentrations that do not require a remedial response. MRS-1 and MRS-6 were evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-1 and MRS-6 and, in accordance with the Track 1 ROD, MRS-1 and MRS-6 require no further action related to MEC.</p> <p>The MRS-6 Expansion Area was evaluated in the Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area. Based on review of existing information, MEC is not expected to be found at MRS-6 Expansion Area and in accordance with eligibility criteria for Plug-In sites identified in the Track 1 ROD, no further action related to MEC is required for this area.</p>
E4.1.2.1 and E4.1.2.2	3	Parcels categorized as CERFA Qualified (Parcels 4, 128, 191) because of the presence of ACM, probable LBP and MRS-1, and CERFA Disqualified (Parcels 2, 3 and 4) because of potential for release of sewage, petroleum storage and they overlie the Fort Ord Landfills (OU 2) groundwater plume. Migration of volatile organic compounds (VOCs) from the OU 2 groundwater plume but at concentrations that do not require a remedial response. MRS-1 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-1 and, in accordance with the Track 1 ROD, MRS-1 requires no further action related to MEC.

Table 5 – Environmental Condition of Property

Parcel Designation	Condition Category ¹	Remedial Actions
E4.1.2.3, L9.1.1.2, and L9.1.2.2	3	Parcels categorized as CERFA Qualified (Parcels 4, 128, 191) because of presence of ACM, probable LBP and MRS-1, and CERFA Disqualified (Parcels 2, 3 and 4) because of potential for release of sewage, petroleum storage, and they overlie OU2 groundwater plume. Migration of VOCs from OU2 groundwater plume but at concentrations that do not require a remedial response. MRS-1 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-1 and, in accordance with the Track 1 ROD, MRS-1 requires no further action related to MEC.
E4.3.1.2, E8a.1.1.2	4	Parcels were categorized as CERFA Disqualified (Parcel 4) because they overlie the OU2 groundwater plume. Migration of VOCs from OU2 groundwater plume at concentrations exceeding MCLs. Groundwater remediation treatment system installed. US EPA concurrence that OU2 groundwater treatment system is operating properly and successfully 1/4/1996.
E4.3.2.1, E4.6.1, E4.6.2, L5.6.1, and L5.6.2	4	Parcels were categorized as CERFA Disqualified (Parcel 4) because of migration of VOCs from OU2 Landfills at concentrations exceeding MCLs, disposal of residential and commercial refuse, and MRS-13A. Groundwater remediation treatment system in place. US EPA concurrence that OU2 groundwater treatment system is operating properly and successfully on January 4, 1996. Portions of OU2 Landfills (Area A and some perimeter areas of main landfill) were removed and consolidated into main landfill south of Imjin Road. MRS-13A was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-13A and, in accordance with the Track 1 ROD, MRS-13A requires no further action related to MEC.
S4.1.1	4	Parcel was categorized as CERFA Disqualified (Parcel 4) because of migration of VOCs from Sites 2/12 groundwater plume at concentrations exceeding MCLs, CERFA Qualified (191) because of MRS-1 and MRS-6, and CERFA Uncontaminated. Groundwater remediation treatment system in place. US EPA concurrence that Sites 2/12 groundwater treatment system is operating properly and successfully on July 3, 2002. MRS-1 and MRS-6 were evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-1 and MRS-6 and, in accordance with the Track 1 ROD, MRS-1 and MRS-6 require no further action related to MEC. The MRS-6 Expansion Area was evaluated in the Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area. Based on review of existing information, MEC is not expected to be found at MRS-6 Expansion Area and in accordance with eligibility criteria for Plug-In sites identified in the Track 1 ROD, no further action related to MEC is required for this area.
S3.1.1 and S3.1.2	4	<p>Parcels categorized as CERFA Disqualified (Parcel 1, 4, 15, 16, 17, 44, 46,) because of potential release at storm water outfalls, migration of VOCs from Sites 2/12 groundwater plume, and releases at IRP Sites 1 and 3, and CERFA Qualified (Parcels 1, 15, 16, 17, 44, 45, 46, and 103) because of MRS-22, ACM, LBP, and use or repair of Nuclear Regulatory Commission (NRC) licensed materials in buildings on the parcel.</p> <p>Surface water outfall OF-15 was identified for characterization under Basewide RI/FS. OF-15 discharges to Parcel S3.1.1. Soil samples were collected at discharge point and downgradient of OF-15. Based on results of characterization sampling, soil impacted with total petroleum hydrocarbons, arsenic, lead and dieldrin was recommended for removal under the IA ROD. Approximately 430 cubic yards of soil were removed as part of IA activities. The Outfall 15 Confirmation Report was submitted to the regulatory agencies in September 1998. The US EPA and the DTSC concurred that contamination was adequately remediated and no further action was necessary at Outfall 15 in letters dated March 16, 2005 and April 11, 2005, respectively.</p>

Table 5 – Environmental Condition of Property

Parcel Designation	Condition Category ¹	Remedial Actions
		<p>Sites 2 and 12 groundwater plume is being remediated by extraction and treatment in accordance with the Basewide RI Sites ROD, which was signed by DTSC on January 16, 1997, by US EPA on January 17, 1997, and by RWQCB on January 22, 1997. Since installation and start-up of Sites 2 and 12 groundwater treatment system (April 1999), extent of the plume has been significantly reduced. Sites 2 and 12 Groundwater Remedy Operating Properly and Successfully Evaluation Report was submitted to the regulatory agencies in November 2001. On July 3, 2002, Army received concurrence from US EPA that the pump-and-treat system for remediation of the Site 2 and 12 groundwater plume is in place and operating "properly and successfully."</p> <p>IRP Site 2 (SWMU FTO-012) was investigated during the Basewide RI/FS. As part of cleanup activities associated with closure of SWMU FTO-012 all sludge remaining in sewage treatment plant sludge drying beds and evaporation ponds was removed. Additional SWMU cleanup activities included demolition of asphalt lined drying beds, removal of drying bed conveyance piping and excavation of soils below drying beds and ponds.</p> <p>IRP Site 1 (SWMU FTO-059) was investigated during the Basewide RI/FS. Mercury was detected in soil samples collected near former trickling filter at concentrations above PRG. Low concentrations of fecal coliform were also detected. Additional investigation was conducted to address agency concerns about elevated mercury levels within soil at former trickling filter and to evaluate suitability of disposing treated sewage residue from the sludge-drying beds at OU2 Landfills. Soil samples were collected from sludge drying beds, holding ponds and former trickling filter area. Based on data from the additional investigation, soil at former trickling filter was recommended for removal under the IA ROD. The Site 1 IA Confirmation Report was submitted to regulatory agencies in December 1997. US EPA and DTSC concurred that contamination was adequately remediated and no further action was necessary at Site 1 in letters dated April 6, 1998 and April 11, 2005, respectively.</p> <p>Remediation at IRP Site 3 consisted of the excavation of approximately 162,800 cubic yards of contaminated soil and spent ammunition.</p> <p>Building 916 (Parcel S3.1.1) was among 230 former Fort Ord buildings that were suspected to have contained/stored radioactive commodities, but for which no documented evidence was found. Twenty percent of the 230 buildings were randomly sampled by AEHA (reorganized in 1994 as USACHPPM). No radiological health hazards were identified for the twenty percent sampled, and USACHPPM recommended all 230 buildings be released for unrestricted use (memorandum dated May 2, 1997). In a memorandum dated October 1, 1997, the California Department of Health Services (DHS) released all buildings with documented or suspected use or storage of radioactive commodities (including Building 916) for unrestricted use.</p> <p>MRS-22 was evaluated in the Track 1 OE RI/FS. Based on review of existing information, MEC is not expected to be found at MRS-22 and, in accordance with the Track 1 ROD, MRS-22 requires no further action related to MEC.</p>

¹Environmental Condition of Property Categories.

Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).

Category 2: Areas where only release or disposal of petroleum products has occurred.

Table 5 – Environmental Condition of Property

Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.

Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required actions have not yet been taken.

Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.

Category 7: Areas that have not been evaluated or require additional evaluation.

Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal

Location	Material Stored/ Quantity	Regulatory Synonym	CASRN ¹	RCRA Waste Number	Duration	Release/ Disposal
Parcels E4.3.1.2 and E8a.1.1.2						
Operable Unit (OU) 2 Landfills Groundwater Plume	Migration of groundwater associated with OU2 / Quantity released is unknown				1955-1991	Yes/No (see Table 5, Parcels E4.3.1.2 and E8a.1.1.2)
	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
Parcel E4.3.2.1						
OU2 Landfills Groundwater Plume	Migration of groundwater associated with OU2/Quantity released is unknown				1955-1991	Yes/No (See Table 5)
	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		

Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal

Location	Material Stored/ Quantity	Regulatory Synonym	CASRN ¹	RCRA Waste Number	Duration	Release/ Disposal
Parcel E4.6.1						
OU2 Landfills, Solid Waste Management Unit (SWMU) FTO-002	Residential and commercial refuse/Quantity released is unknown				1955-1991	Yes/Yes (See Table 5)
OU2 Landfills Groundwater Plume	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
Parcel E4.6.2						
OU2 Landfills, SWMU FTO-002	Residential and commercial refuse/Quantity released is unknown				1955-1991	Yes/Yes (See Table 5)
OU2 Landfills Groundwater Plume	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		

Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal

Location	Material Stored/ Quantity	Regulatory Synonym	CASRN ¹	RCRA Waste Number	Duration	Release/ Disposal
Parcel L5.6.1						
OU2 Landfills, SWMU FTO-002	Residential and commercial refuse/Quantity released is unknown				1955-1991	Yes/Yes (See Table 5)
OU2 Landfills Groundwater Plume	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
Parcel L5.6.2						
OU2 Landfills, SWMU FTO-002	Residential and commercial refuse/Quantity released is unknown				1955-1991	Yes/Yes (See Table 5)
OU2 Landfills Groundwater Plume	Benzene	Benzol	71432	U019		
	Carbon Tetrachloride	Methane, tetrchloro	56235	U211		
	Chloroform	Methane, trichloro	67663	U044		
	1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	1,2-Dichloropropene	Propane, 1,2-dichloro-	78875	U083		
	Dichloromethane	Methane, dichloro	75092	U080		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		

Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal

Location	Material Stored/ Quantity	Regulatory Synonym	CASRN ¹	RCRA Waste Number	Duration	Release/ Disposal
Parcel S4.1.1						
IRP Sites 2 and 12 Groundwater Plume	Chemicals of concern in groundwater/Quantity released is unknown				Unknown	Yes/Unknown (See Table 5)
	Chloroform	Methane, trichloro	67663	U044		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	1,1-Dichloroethene	Ethylene, 1,1-Dichloro-	75354	U078		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	Total 1,3- Dichloropropene	1-Propene, 1,3-dichloro-	542756	U084		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
Parcel S3.1.1						
IRP Site 1	Mercury released at the site/Quantity released is unknown. Approximately 870 cubic yards of impacted soil was removed.				1950s through mid-1990s	Yes/No (See Table 5)
	Mercury	--	7439976	U151		
IRP Sites 2 and 12 Groundwater Plume	Chemicals of concern in groundwater/Quantity released is unknown				Unknown	Yes/Unknown (See Table 5)
	Chloroform	Methane, trichloro	67663	U044		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	1,1-Dichloroethene	Ethylene, 1,1-Dichloro-	75354	U078		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	Total 1,3- Dichloropropene	1-Propene, 1,3-dichloro-	542756	U084		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
IRP Site 3	Lead released at the site/Quantity released is unknown. Approximately 162,800 cubic yards of lead impacted soil was removed.				Approximately 1940 through 1994	Yes/No (See Table 5)

Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal

Location	Material Stored/ Quantity	Regulatory Synonym	CASRN ¹	RCRA Waste Number	Duration	Release/ Disposal
	Lead	--	7439921	None assigned		
Surface Water Outfall 15	Release occurred at the outfall/Quantity released is unknown. Approximately 430 cubic yards of impacted soil was removed.				1940s through 1994	Yes/No (See Table 5)
	Lead	--	7439921	None assigned		
	Arsenic	--	7440382	None assigned		
	Hydrocarbons	--	Multiple	--		
	Dieldrin	Aldrin epoxide	60571	P037		
Parcel S3.1.2						
IRP Sites 2 and 12 Groundwater Plume	Chemicals of concern in groundwater/Quantity released is unknown				Unknown	Yes/Unknown (See Table 5)
	Chloroform	Methane, trichloro	67663	U044		
	1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077		
	1,1-Dichloroethene	Ethylene, 1,1-Dichloro-	75354	U078		
	cis-1,2-Dichloroethene	Ethylene, 1,2-dichloro-	156605	U079		
	Total 1,3- Dichloropropene	1-Propene, 1,3-dichloro-	542756	U084		
	Tetrachloroethene	Perchloroethylene	127184	U210		
	Trichloroethene	Trichloroethylene	79016	U228		
	Vinyl Chloride	Ethene, chloro-	75014	U043		
IRP Site 3	Lead released at the site/Quantity released is unknown. Approximately 162,800 cubic yards of lead impacted soil was removed.				Approximately 1940 through 1994	Yes/No (See Table 5)

¹Chemical Abstract Service Registry Number

Table 7 – Notification of Petroleum Product Storage, Release, or Disposal

Parcel Number	Tank Number	Product Type	Date of Storage, Release, or Disposal	Remedial Action
E4.3.2.1	6143	Diesel	250-gallon active AST installed in 1995.	None necessary
	6143.1	Diesel	60-gallon UST installed after 1979 and removed in 1995. No evidence of petroleum release.	UST removed in July 1995. Closure granted by the Monterey County Department of Health (MCDOH) in December 1995.
E4.1.2.2	8775	Gasoline	200-gallon active AST, date installed not available.	None necessary
	8775.1	Gasoline	200-gallon UST installed after 1963 and operated until 1995. No evidence of petroleum release.	UST removed in July 1995. No remedial action required. Closure granted by the MCDOH in January 1996.
L23.5.1	4362.1	Diesel	4,000-gallon UST operated from about 1976 until 1990. Release occurred during UST operation.	UST removed in August 1990. Remediation consisted of the removal of petroleum-impacted soil. Closure granted by the MCDOH in January 1997 and the RWQCB in February 1997.
	4362.2	Unknown	1,500-gallon UST installed in 1952. Unknown duration of use. Release occurred during UST operation.	UST removed in September 1990. Remediation consisted of the removal of petroleum-impacted soil. Closure granted by the MCDOH in January 1997 and by the RWQCB in February 1997.
	4363.1	Diesel	3,000-gallon UST operated from about 1956 until 1992. No evidence of petroleum release.	UST removed in April 1992. No remedial action required. Closure granted by the MCDOH in January 1994.
	4367.1	Propane	1,175-gallon inactive AST, date installed not available.	None necessary
	4367.2	Propane	375-gallon inactive AST, date installed not available.	None necessary
S3.1.1	2070.1	Diesel	UST of unknown size. Installed in about 1965. Release occurred during UST operation.	UST removed in May 1988. Investigation included geophysics, soil gas sampling and soil borings. Closure granted by the MCDOH in January 1997.
	2076.1	Diesel	500-gallon UST with unknown duration of use. No evidence of petroleum release.	UST removed in January 1992. No remedial action required. Closure granted by the MCDOH in January 1994.
	2076.2	Diesel	2,000-gallon UST operated from 1983 until 1991. No evidence of petroleum release.	UST removed in January 1992. No remedial action required. Closure granted by the MCDOH in January 1994.

Table 8 – Disposal (Army Action) Impacts and Mitigation Measures

Issue Area	Impact	Mitigation Measure	How Addressed in FOST ¹ and EPP ²
Land Use	Potential temporary land use conflicts between interim uses allowed by Army and necessary remediation activities.	Limit properties that may be outgranted and restrict access to remediation areas during remediation activities.	NA – applies only to leased properties.
Air Quality	Exposure of the public to asbestos during building demolition or after transfer of buildings to third parties.	Disclosure of the locations and quantities of buildings with asbestos-containing material (ACM) when transferred.	FOST – presence of ACM disclosed and Asbestos Survey Report is referenced in Section 4.5, specific parcels and buildings are listed in Table 1 (Attachment 3). EPP – presence of ACM disclosed and Asbestos Survey Report is referenced in Section 4.
Hazardous and Toxic Waste Site Remedial Action	Potential risks to public health and safety associated with hazardous materials.	Continue State-mandated and federally mandated cleanup process and remedial actions; cleanup of wastes is part of the project.	FOST – ongoing remedial actions are described in Sections 4.1.4, 4.2.1, 4.2.2 and 5.1 and Table 5 (Attachment 3). EPP – Groundwater Restriction is described in Section 2(A)(2); Notice of the Presence of Contaminated Groundwater in Section 6; Notice of the Presence of the Fort Ord Landfills in Section 7.
Munitions and Explosives of Concern (MEC)	Potential risks to public health and safety associated with MEC.	Continue MEC investigations and removal actions (munitions response); preparation of engineering evaluations, community education plan, and site maintenance and emergency response plan; and inform property recipients of the potential for MEC.	FOST – the Military Munitions Response Program is described in Sections 4.9 and 5.2. EPP – Notice for the Potential Presence of MEC in Section 3.
Vegetation, Wildlife, and Wetland Resources	Loss of federal protection for Monterey spineflower.	Develop and coordinate an installation-wide multi-species habitat management plan (HMP). Implement the HMP, including HMP protective covenants in deed transfers.	FOST – parcels are listed by HMP category in Section 4.10. EPP – HMP protective covenants are given in Section 8.

¹ Finding of Suitability to Transfer, Track 0 Plug-In C, Track 1 and Track 1 Plug-In Parcels.

² Environmental Protection Provisions attached to the FOST.

ATTACHMENT 4

**CERCLA NOTICE, COVENANT, AND ACCESS PROVISIONS
AND OTHER DEED PROVISIONS**

CERCLA NOTICE, COVENANT, AND ACCESS PROVISIONS AND OTHER DEED PROVISIONS

The following CERCLA Notice, Covenant, and Access Provisions, along with the Other Deed Provisions, will be placed in the deed in a substantially similar form to ensure protection of human health and the environment and to preclude any interference with ongoing or completed remediation activities.

1. CERCLA NOTICE – PARCELS E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L20.15, L5.6.1, L5.6.2, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.2, S3.1.3, S3.1.4 AND S4.1.1.

For the Property, the Grantor provides the following notice, description, and covenant:

A. Pursuant to section 120(h)(3)(A)(i)(I) and (II) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. §9620(h)(3)(A)(i)(I) and (II)), available information regarding the type, quantity, and location of hazardous substances and the time at which such substances were stored, released, or disposed of, as defined in section 120(h), is provided in Exhibit ___ [FOST Table 6 – Hazardous Substance, Storage, Release and Disposal (Attachment 3) should be included as a deed exhibit], attached hereto and made a part hereof. Additional information regarding the storage, release, and disposal of hazardous substances on the property has been provided to the Grantee, receipt of which the Grantee hereby acknowledges. Such additional information includes, but is not limited to, the Finding of Suitability to Transfer (FOST), Former Fort Ord, California, Track 0 Plug-in C and Track 1 Parcels (May 2005) and documents referenced therein.

B. Pursuant to section 120(h)(3)(A)(i)(III) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. §9620(h)(3)(A)(i)(III)), a description of the remedial action taken, if any, on the property is provided in Exhibit ___ [FOST Table 5 – Environmental Condition of Property (Attachment 3) should be included as an exhibit in the final deed], attached hereto and made a part hereof. Additional information regarding the remedial action taken, if any, has been provided to the Grantee, receipt of which the Grantee hereby acknowledges. Such additional information includes, but is not limited to, the Finding of Suitability to Transfer (FOST), Former Fort Ord, California, Track 0 Plug-in C and Track 1 Parcels (May 2005) and documents referenced therein.

2. CERCLA COVENANT – PARCELS E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L20.15, L5.6.1, L5.6.2, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.2, S3.1.3, S3.1.4 AND S4.1.1

Pursuant to section 120(h)(3)(A)(ii) and (B) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. §9620(h)(3)(A)(ii) and (B)), the United States warrants that -

- A. All remedial action necessary to protect human health and the environment with respect to any hazardous substance identified pursuant to section 120(h)(3)(A)(i)(I) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 remaining on the property has been taken before the date of this deed, and
- B. Any additional remedial action found to be necessary after the date of this deed shall be conducted by the United States.

This warranty shall not apply in any case in which the person or entity to whom the property is transferred is a potentially responsible party with respect to such property. For purposes of this warranty, Grantee shall not be considered a potentially responsible party solely due to the presence of a hazardous substance remaining on the property on the date of this instrument, provided that Grantee has not caused or contributed to a release of such hazardous substance.

3. CERCLA COVENANT – PARCELS E11a, E11b.6.2, E15.2, E20c.2.1, L20.13.5, L20.14.1.1, L20.14.2, L20.6, AND L31

Pursuant to section 120(h)(4)(D)(i) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. §9620(h)(4)(D)(i)), the United States warrants that any response action or corrective action found to be necessary after the date of this deed for hazardous substances existing on the property prior to the date of this deed shall be conducted by the United States. This warranty shall not apply in any case in which the person or entity to whom the property is transferred is a potentially responsible party with respect to such property. For purposes of this warranty, Grantee shall not be considered a potentially responsible party solely due to a hazardous substance remaining on the property on the date of this instrument, provided that Grantee has not caused or contributed to a release of such hazardous substance or petroleum product or its derivatives.

4. NOTICE OF RELEASE OR DISPOSAL OF PETROLEUM PRODUCTS OR THEIR DERIVATIVES AND COVENANT – PARCEL L23.5.1

- A. The Grantor has identified a portion of the Property (Parcel L23.5.1) as real property on which no hazardous substances were released or disposed of, but on which petroleum products or their derivatives are known to have been released or disposed of.
- B. Following a complete search of its files and records, the Grantor hereby provides notice that diesel fuel was released from a 4,000-gallon underground storage tank on the Property, which was operated from approximately 1976 to 1990.
- C. The Grantor covenants that all response actions necessary to protect human health and the environment with respect to any petroleum product remaining on the Property have been taken prior to the date of this conveyance.

D. The Grantor covenants that any response action or corrective action found to be necessary under applicable laws and regulations after the date of this conveyance with respect to the discovery of contamination that resulted from a release or disposal prior to conveyance of the Property shall be conducted by the United States. This warranty shall not apply in any case in which the person or entity to whom the Property is transferred is a potentially responsible party with respect to such property. For purposes of this warranty, Grantee shall not be considered a potentially responsible party solely due to the presence of a contaminant remaining on the Property on the date of this instrument, provided that Grantee has not caused or contributed to a release of such contaminant.

5. RIGHT OF ACCESS

- A. Pursuant to sections 120(h)(3)(A)(iii) and 120(h)(4)(D)(ii) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 U.S.C. §9620(h)(3)(A)(iii) and §9620(h)(D)(ii)), the United States retains and reserves a perpetual and assignable easement and right of access on, over, and through the Property, to enter upon the Property after the date of transfer of the Property in any case in which an environmental response action or corrective action is found to be necessary on the part of the United States, without regard to whether such environmental response action or corrective action is on the Property or on adjoining or nearby lands. Such easement and right of access includes, without limitation, the right to perform any environmental investigation, survey, monitoring, sampling, testing, drilling, boring, coring, test-pitting, installing monitoring or pumping wells or other treatment facilities, response action, corrective action, or any other action necessary for the United States to meet its responsibilities under applicable laws and as provided for in this instrument. Such easement and right of access shall be binding on the Grantee, its successors and assigns, and shall run with the land.
- B. In exercising such easement and right of access, the United States shall provide the Grantee or its successors or assigns, as the case may be, with reasonable notice of its intent to enter upon the Property and exercise its rights under this covenant, which notice may be severely curtailed or even eliminated in emergency situations. The United States shall use reasonable means, but without significant additional costs to the United States, to avoid and to minimize interference with the Grantee's and the Grantee's successors' and assigns' quiet enjoyment of the property. Such easement and right of access includes the right to obtain and use utility services, including water, gas, electricity, sewer, and communications services available on the Property at a reasonable charge to the United States. Excluding the reasonable charges for such utility services, no fee, charge, or compensation will be due the Grantee nor its successors and assigns, for the exercise of the easement and right of access hereby retained and reserved by the United States.
- C. In exercising such easement and right of access, neither the Grantee nor its successors and assigns, as the case may be, shall have any claim at law or equity against the United States or any officer, employee, agent, contractor of any tier, or servant of the United States based on actions taken by the United States or its officers, employees, agents,

contractors of any tier, or servants pursuant to and in accordance with this covenant. In addition, the Grantee, its successors and assigns, shall not interfere with any response action or corrective action conducted by the Grantor on the Property.

D. The U.S. Environmental Protection Agency (US EPA) and the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC), and their officers, agents, employees, contractors, and subcontractors will have the right, upon reasonable notice to the Grantee, to enter upon the transferred premises in any case in which a response or corrective action is found to be necessary, after the date of transfer of the Property, or such access is necessary to carry out a response action or corrective action on adjoining property, including, without limitation, the following purposes:

- 1) To inspect field activities of the Grantor and its contractors and subcontractors.
- 2) To conduct any test or survey related to environmental conditions at the former Fort Ord or to verify any data submitted to the US EPA or the DTSC by the Grantor relating to such conditions.

6. "AS IS"

- A. The Grantee acknowledges that it has inspected or has had the opportunity to inspect the Property and accepts the condition and state of repair of the subject Property. The Grantee understands and agrees that the Property and any part thereof is offered "AS IS" without any representation, warranty, or guaranty by the Grantor as to quantity, quality, title, character, condition, size, or kind, or that the same is in condition or fit to be used for the purpose(s) intended by the Grantee, and no claim for allowance or deduction upon such grounds will be considered.
- B. No warranties, either express or implied, are given with regard to the condition of the Property, including, without limitation, whether the Property does or does not contain asbestos or lead-based paint. The Grantee shall be deemed to have relied solely on its own judgment in assessing the overall condition of all or any portion of the Property, including, without limitation, any asbestos, lead-based paint, or other conditions on the Property. The failure of the Grantee to inspect or to exercise due diligence to be fully informed as to the condition of all or any portion of the Property offered, will not constitute grounds for any claim or demand against the United States.
- C. Nothing in this "As Is" provision will be construed to modify or negate the Grantor's obligation under the CERCLA Covenant or any other statutory obligations.

7. HOLD HARMLESS

- A. To the extent authorized by law, the Grantee, its successors and assigns, covenant and agree to indemnify and hold harmless the Grantor, its officers, agents, and employees from (1) any and all claims, damages, judgments, losses, and costs, including fines and

penalties, arising out of the violation of the NOTICES, USE RESTRICTIONS, AND RESTRICTIVE COVENANTS in this Deed by the Grantee, its successors and assigns, and (2) any and all claims, damages, and judgments arising out of, or in any manner predicated upon, exposure to asbestos, lead-based paint, or other condition on any portion of the Property after the date of conveyance.

- B. The Grantee, its successors and assigns, covenant and agree that the Grantor shall not be responsible for any costs associated with modification or termination of the NOTICES, USE RESTRICTIONS, AND RESTRICTIVE COVENANTS in this Deed, including without limitation, any costs associated with additional investigation or remediation of asbestos, lead-based paint, or other condition on any portion of the Property.
- C. Nothing in this Hold Harmless provision will be construed to modify or negate the Grantor's obligation under the CERCLA Covenant or any other statutory obligations.

8. POST-TRANSFER DISCOVERY OF CONTAMINATION

- A. If an actual or threatened release of a hazardous substance or petroleum product is discovered on the Property after the date of conveyance, Grantee, its successors or assigns, shall be responsible for such release or newly discovered substance unless Grantee is able to demonstrate that such release or such newly discovered substance was due to Grantor's activities, use, or ownership of the Property. If the Grantee, its successors or assigns believe the discovered hazardous substance is due to Grantor's activities, use or ownership of the Property, Grantee will immediately secure the site and notify the Grantor of the existence of the hazardous substances, and Grantee will not further disturb such hazardous substances without the written permission of the Grantor.
- B. Grantee, its successors and assigns, as consideration for the conveyance of the Property, agree to release Grantor from any liability or responsibility for any claims arising solely out of the release of any hazardous substance or petroleum product on the Property occurring after the date of the delivery and acceptance of this Deed, where such substance or product was placed on the Property by the Grantee, or its successors, assigns, employees, invitees, agents or contractors, after the conveyance. This paragraph shall not affect the Grantor's responsibilities to conduct response actions or corrective actions that are required by applicable laws, rules and regulations, or the Grantor's indemnification obligations under applicable laws.

9. ENVIRONMENTAL PROTECTION PROVISIONS

The Environmental Protection Provisions are at Exhibit _____, which is attached hereto and made a part hereof. The Grantee shall neither transfer the property, lease the property, nor grant any interest, privilege, or license whatsoever in connection with the property without the inclusion of the Environmental Protection Provisions contained herein, and shall require the inclusion of the Environmental Protection Provisions in all further deeds, easements, transfers, leases, or grant of any interest, privilege, or license.

ATTACHMENT 5

ENVIRONMENTAL PROTECTION PROVISIONS

ENVIRONMENTAL PROTECTION PROVISIONS

The following conditions, restrictions, and notifications will be attached, in a substantially similar form, as an exhibit to the deed and be incorporated therein by reference in order to ensure protection of human health and the environment and to preclude any interference with ongoing or completed remediation activities at the former Fort Ord. A list of notices applicable to each parcel is provided at the end of this attachment.

1. FEDERAL FACILITIES AGREEMENT

The Grantor acknowledges that the former Fort Ord has been identified as a National Priorities List (NPL) Site under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) of 1980, as amended. The Grantee acknowledges that the Grantor has provided it with a copy of the Fort Ord Federal Facility Agreement (FFA) entered into by the United States Environmental Protection Agency (US EPA) Region IX, the State of California, and the Department of the Army, effective on November 19, 1990, and will provide the Grantee with a copy of any amendments thereto. For so long as the Property remains subject to the FFA, the Grantee, its successors and assigns, agree that they will not interfere with United States Department of the Army activities required by the FFA. In addition, should any conflict arise between the FFA and any amendment thereto and the deed provisions, the FFA provisions will take precedence. The Grantor assumes no liability to the Grantee, its successors and assigns, should implementation of the FFA interfere with their use of the Property.

2. LAND USE RESTRICTIONS

A. The United States Department of the Army (Army) has undertaken careful environmental study of the Property and concluded that the land use restrictions set forth below are required to ensure protection of human health and the environment. The Grantee, its successors or assigns, shall not undertake nor allow any activity on or use of the property that would violate the land use restrictions contained herein.

- 1) **Residential Use Restriction.** In accordance with the provisions of Section 5 of the Environmental Protection Provisions, the Grantee, its successors and assigns, shall use the Property solely for commercial or industrial activities and not for residential purposes unless the Grantee performs abatement as required under Title X of the Housing and Community Development Act of 1992 (Residential Lead-Based Paint Hazard Reduction Act of 1992). For purposes of this provision, residential use includes, but is not limited to, single family or multi-family residences; childcare facilities; and nursing home or assisted living facilities; and any type of educational purpose for children/young adults in grades kindergarten through 12.
- 2) **Groundwater Restriction.** Grantee is hereby informed and acknowledges that the groundwater under portions of the Property and associated with the Sites 2 and 12 (Sites 2/12) groundwater plume and the Operable Unit 2 (OU2) groundwater plume is

contaminated with volatile organic compounds (VOCs), primarily trichloroethene (TCE).

- a) A Covenant to Restrict Use of Property (CRUP) for portions of the Property within the "Special Groundwater Protection Zone" will be made by and among The United States of America acting by and through the Army and the State of California acting by and through the DTSC and the California Regional Water Quality Control Board, Central Coast Region (RWQCB).
- b) The Grantee covenants for itself, its successors, and assigns not to access or use groundwater underlying the Property for any purpose. For the purpose of this restriction, "groundwater" shall have the same meaning as in section 101(12) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
- c) The Grantee covenants for itself, its successors, and assigns that neither the Grantee, its successors or assigns, nor any other person or entity acting for or on behalf of the Grantee, its successors or assigns, shall interfere with any response action being taken on the Property by or on behalf of the Grantor, or interrupt, relocate, or otherwise interfere or tamper with any remediation system or monitoring wells now or in the future located on, over, through, or across any portion of the Property without the expressed written consent of the Grantor in each case first obtained.
- d) The Grantee covenants for itself, its successors, or assigns, that it will not undertake nor allow any activity on or use of the Property that would violate the restrictions contained herein. These restrictions and covenants are binding on the Grantee, its successors and assigns; shall run with the land; and are forever enforceable.

B. Modifying Restrictions. Nothing contained herein shall preclude the Grantee, its successors or assigns, from undertaking, in accordance with applicable laws and regulations and without any cost to the Grantor, such additional action necessary to allow for other less restrictive use of the Property. Prior to such use of the Property, Grantee shall consult with and obtain the approval of the Grantor, and, as appropriate, the State or federal regulators, or the local authorities in accordance with these Environmental Protection Provisions and the provisions of the CRUP(s). Upon the Grantee's obtaining the approval of the Grantor and, as appropriate, state or federal regulators, or local authorities, the Grantor agrees to record an amendment hereto. This recordation shall be the responsibility of the Grantee and at no additional cost to the Grantor.

C. Submissions. The Grantee, its successors and assigns, shall submit any requests to modifications to the above restrictions to Grantor, the US EPA, the DTSC and the RWQCB, in accordance with the provisions of the CRUP(s), by first class mail, postage prepaid, addressed as follows:

- 1) Grantor: Director, Fort Ord Office
Army Base Realignment and Closure
P.O. Box 5008
Presidio of Monterey, CA 93944-5008
- 2) US EPA: Chief, Federal Facility and Site Cleanup Branch
Superfund Division
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street, Mail Code: SFD-8-3
San Francisco, CA 94105-3901
- 3) DTSC: Chief of Northern California Operations
Office of Military Facilities
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826-3200
- 4) RWQCB: Executive Officer
California Regional Water Quality Control Board
Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-7906

3. NOTICE OF THE POTENTIAL FOR THE PRESENCE OF MUNITIONS AND EXPLOSIVES OF CONCERN (MEC)

- A. The Grantee is hereby notified that due to the former use of the Property as a military installation, the Property may contain munitions and explosives of concern (MEC). The term MEC means specific categories of military munitions that may pose unique explosives safety risks and includes: (1) Unexploded Ordnance (UXO), as defined in 10 U.S.C. §101(e)(5); (2) Discarded military munitions (DMM), as defined in 10 U.S.C. §2710(e)(2); or (3) Munitions constituents (e.g., TNT, RDX), as defined in 10 U.S.C. §2710(e)(3), present in high enough concentrations to pose an explosive hazard. For the purposes of the basewide Military Munitions Response Program (MMRP) being conducted for the former Fort Ord and these Environmental Protection Provisions, MEC does not include small arms ammunition .50 caliber and below.
- B. Portions of the Property were previously used for military training involving military munitions, or for disposal of munitions items. A review of existing records and available information indicates there are ten munitions response sites (MRSs) associated with the Property. Military training on the Property involved only the use of practice and pyrotechnic items that are not designed to cause injury, or military munitions items that do not pose an explosive hazard. Military munitions items were found within materials excavated from a landfill disposal area formerly on the Property; however, this is

attributed to disposal activities at the landfill and not training. All landfill disposal areas within the Property have been fully excavated, the landfilled material removed, and the excavated areas backfilled or regraded. The ten MRSs were evaluated and documented in the *Final Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study, former Fort Ord, California* (Track 1 OE RI/FS) (June 2004) the *Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area* (May 6, 2005) and, in accordance with the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22)* (Track 1 ROD) (March 2005), no further action related to MEC is required at these ten MRSs.

- C. The Grantor represents that, to the best of its knowledge, no MEC is currently present on the Property. Notwithstanding the Grantor's determination, the parties acknowledge that there is a possibility that MEC may exist on the Property. If the Grantee, any subsequent owner, or any other person should find any MEC on the Property, they shall immediately stop any intrusive or ground-disturbing work in the area or in any adjacent areas and shall not attempt to disturb, remove or destroy it, but shall immediately notify the local law enforcement agency having jurisdiction on the Property so that appropriate U.S. Military explosive ordnance disposal personnel can be dispatched to address such MEC as required under applicable law and regulations and at no expense to the Grantee. The Grantee hereby acknowledges receipt of the "Ordnance and Explosives Safety Alert" pamphlet.
- D. Because the Grantor cannot guarantee that all MEC has been removed, the Grantor recommends reasonable and prudent precautions be taken when conducting intrusive operations on the Property and will, at its expense, provide construction worker ordnance recognition and safety training. For specific Track 1 sites that overlap the Property (MRS-1, MRS-6, (and MRS-6 Expansion Area), MRS-13A, MRS-22, MRS-27Y, MRS-49, MRS-59A, MRS-62, and MRS-66), the Army recommends construction personnel involved in intrusive operations at these sites attend the Grantor's ordnance recognition and safety training. To accomplish that objective, the Grantor requests notice from the Grantee of planned intrusive activities, and in turn will provide ordnance recognition and safety training to construction personnel prior to the start of intrusive work. The Grantor will provide ordnance recognition and safety refresher training as appropriate. For the Track 1 sites where ordnance recognition and safety training is recommended (MRS-1, MRS-6 (and MRS-6 Expansion Area), MRS-13A, MRS-22, MRS-27Y, MRS-49, MRS- 59A, MRS-62, and MRS-66), at the time of the next five-year review (2007), the Grantor will assess whether the education program should continue. If information indicates that no MEC items have been found in the course of development or redevelopment of the site, it is expected that the education program may, with the concurrence of the regulatory agencies, be discontinued, subject to reinstatement if a MEC item is encountered in the future.

E. Easement and Access Rights.

- 1) The Grantor reserves a perpetual and assignable right of access on, over, and through the Property, to access and enter upon the Property in any case in which a munitions response action is found to be necessary, or such access and entrance is necessary to carry out a munitions response action on adjoining property as a result of the ongoing Munitions Response Remedial Investigation/Feasibility Study. Such easement and right of access includes, without limitation, the right to perform any additional investigation, sampling, testing, test-pitting, surface and subsurface clearance operations, or any other munitions response action necessary for the United States to meet its responsibilities under applicable laws and as provided for in this Deed. This right of access shall be binding on the Grantee, its successors and assigns, and shall run with the land.
- 2) In exercising this easement and right of access, the Grantor shall give the Grantee or the then record owner, reasonable notice of the intent to enter on the Property, except in emergency situations. Grantor shall use reasonable means, without significant additional cost to the Grantor, to avoid and/or minimize interference with the Grantee's and the Grantee's successors' and assigns' quiet enjoyment of the Property; however, the use and/or occupancy of the Property may be limited or restricted, as necessary, under the following scenarios: (a) to provide the required minimum separation distance employed during intrusive munitions response actions that may occur on or adjacent to the Property; and (b) if Army implemented prescribed burns are necessary for the purpose of a munitions response action (removal) in adjacent areas. Such easement and right of access includes the right to obtain and use utility services, including water, gas, electricity, sewer, and communications services available on the property at a reasonable charge to the United States. Excluding the reasonable charges for such utility services, no fee, charge, or compensation will be due the grantee nor its successors and assigns, for the exercise of the easement and right of access hereby retained and reserved by the United States.
- 3) In exercising this easement and right of access, neither the Grantee nor its successors and assigns, as the case maybe, shall have any claim at law or equity against the United States or any officer, employee, agent, contractor of any tier, or servant of the United States based on actions taken by the United States or its officers, employees, agents, contractors of any tier, or servants pursuant to and in accordance with this Paragraph. In addition, the Grantee, its successors and assigns, shall not interfere with any munitions response action conducted by the Grantor on the Property.

F. The Grantee acknowledges receipt of the *Final Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study (Track 1 OE RI/FS) (June 2004) and the Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22) (Track 1 ROD) (March 2005).*

4. NOTICE OF THE PRESENCE OF ASBESTOS AND COVENANT

- A. The Grantee is hereby informed and does acknowledge that friable and non-friable asbestos or asbestos-containing material (ACM) has been found on the Property, as described in the Asbestos Survey Report (April 26, 1993) and summarized in the CERFA Report (April 8, 1994). The Property may also contain improvements, such as buildings, facilities, equipment, and pipelines, above and below the ground, that contain friable and non-friable asbestos or ACM. The Occupational Safety and Health Administration (OSHA) and the U.S. Environmental Protection Agency (US EPA) have determined that unprotected or unregulated exposure to airborne asbestos fibers increases the risk of asbestos-related diseases, including certain cancers that can result in disability or death.
- B. Several buildings on the Property have been determined to contain friable asbestos. Detailed information is contained in the referenced survey report. The remaining buildings contain non-friable ACM rated in good condition. The Grantee agrees to undertake any and all asbestos abatement or remediation in the aforementioned buildings that may be required under applicable law or regulation at no expense to the Grantor. The Grantor has agreed to transfer said buildings to the Grantee, prior to remediation or abatement of asbestos hazards, in reliance upon the Grantee's express representation and covenant to perform the required asbestos abatement or remediation of these buildings.
- C. The Grantee covenants and agrees that its use and occupancy of the Property will be in compliance with all applicable laws relating to asbestos. The Grantee agrees to be responsible for any future remediation or abatement of asbestos found to be necessary on the Property to include ACM in or on buried pipelines that may be required under applicable law or regulation.
- D. The Grantee acknowledges that it has inspected or has had the opportunity to inspect the Property as to its asbestos and ACM content and condition and any hazardous or environmental conditions relating thereto. The Grantee shall be deemed to have relied solely on its own judgment in assessing the overall condition of all or any portion of the Property, including, without limitation, any asbestos or ACM hazards or concerns.

5. NOTICE OF THE PRESENCE OF LEAD-BASED PAINT (LBP) AND COVENANT AGAINST THE USE OF THE PROPERTY FOR RESIDENTIAL PURPOSE

- A. The Grantee is hereby informed and does acknowledge that all buildings on Parcels E4.1.2.1, E4.1.2.2, E4.6.2, E8a.1.1.2, L23.5.1, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.3, and S3.1.4, which were constructed or rehabilitated prior to 1978, are presumed to contain lead-based paint. Lead from paint, paint chips, and dust can pose health hazards if not managed properly. Every purchaser of any interest in Residential Real Property on which a residential dwelling was built prior to 1978 is notified that such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning.

- B. The Grantee covenants and agrees that it shall not permit the occupancy or use of any buildings or structures on Parcels E4.1.2.1, E4.1.2.2, E4.6.2, E8a.1.1.2, L23.5.1, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.3, and S3.1.4 as Residential Property, as defined under 24 Code of Federal Regulations Part 35, without complying with this section and all applicable federal, state, and local laws and regulations pertaining to lead-based paint and/or lead-based paint hazards. Prior to permitting the occupancy of Parcels E4.1.2.1, E4.1.2.2, E4.6.2, E8a.1.1.2, L23.5.1, L9.1.1.2, L9.1.2.2, S3.1.1, S3.1.3, and S3.1.4 where their use subsequent to this conveyance is intended for residential habitation, the Grantee specifically agrees to perform, at its sole expense, the Army's abatement requirements under Title X of the Housing and Community Development Act of 1992 (Residential Lead-Based Paint Hazard Reduction Act of 1992).
- C. The Grantee acknowledges that it has inspected or has had the opportunity to inspect the Property as to its lead-based paint content and condition and any hazardous or environmental conditions relating thereto. The Grantee shall be deemed to have relied solely on its own judgment in assessing the overall condition of all or any portion of the Property, including, without limitation, any lead-based paint hazards or concerns.

6. NOTICE OF THE PRESENCE OF CONTAMINATED GROUNDWATER

The groundwater beneath portions of the Property is contaminated with volatile organic compounds (VOCs), primarily trichloroethene (TCE). The most recent data available (Annual Report of Quarterly Monitoring, October 2003 through September 2004) indicates that:

- A. One parcel (S4.1.1) overlies the Sites 2/12 groundwater plume where the concentration of TCE in groundwater equals or exceeds 5.0 micrograms per liter ($\mu\text{g/L}$). For the Sites 2/12 groundwater plume area the maximum TCE concentration in the groundwater beneath the Property (Parcel S4.1.1) is between 5.0 $\mu\text{g/L}$ and 10 $\mu\text{g/L}$ and depth to groundwater is 68 to 75 feet below ground surface.
- B. Seven parcels (E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1 and L5.6.2) overlie the OU2 groundwater plume where the concentration of TCE in groundwater exceeds 5.0 $\mu\text{g/L}$. For the OU2 groundwater plume area the maximum TCE concentration in the groundwater beneath the Property (Parcel E4.3.1.2) is 26 $\mu\text{g/L}$ as measured in groundwater extraction well EW-OU2-12A and depth to groundwater is 125 to 175 feet below ground surface.

The maximum concentrations of the chemicals of concern (associated with the OU2 and Sites 2/12 groundwater plumes) detected in the groundwater monitoring or extraction wells on the Property (September 2004) are listed below. The quantity released of these compounds is unknown. The OU2 and Sites 2/12 groundwater aquifer cleanup levels (ACLs), presented in the OU2 Fort Ord Landfills Record of Decision (ROD) (July 1994) and Basewide Remedial Investigation Sites ROD (January 1997), are provided for comparison.

Chemicals of Concern in Groundwater and Aquifer Cleanup Levels
(OU2 and Sites 2/12 Plumes)

Chemical Name	Regulatory Synonym	CASRN*	RCRA Waste Number	Parcel	Well (EW-OU2)	Maximum Concentrations (µg/L)	ACL (µg/L)
Benzene	Benzol	71432	U019	E4.3.1.2	-10-A	0.3	1.0
Carbon Tetrachloride	Methane, tetrachloro-	56235	U211			ND	0.5
Chloroform	Methane, trichloro-	67663	U044	E4.3.1.2	-12-A	2.3	2.0
1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076	E4.3.1.2	-10-A	6.9	5.0
1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077	E4.3.1.2	-10-A	1.5	0.5
1,1-Dichloroethene	Ethene, 1,1-dichloro-	75354	U078			ND	6.0
Cis-1,2-Dichloroethene	Ethene, 1,2-dichloro(E)	156605	U079	E4.3.1.2	-10-A	8.9	6.0
1,2-Dichloropropane	Propane, 1,2-dichloro-	78875	U083	E4.3.1.2	-12-A	1.3	1.0
Total 1,3-Dichloropropene	Propene, 1,3-dichloro-	542756	--			ND	0.5
Methylene Chloride	Methane, dichloro-	75092	U080			ND	5.0
Tetrachloroethene	Ethene, tetrachloro-	127184	U210	E4.3.1.2	-10-A	5.4	3.0
Trichloroethene	Ethene, trichloro-	79016	U228	E4.3.1.2	-12-A	26	5.0
Vinyl chloride	Ethene, chloro-	75014	U043	E4.3.1.2	-10-A	0.7	0.1

*Chemical Abstract Services Registry Number

7. NOTICE OF THE PRESENCE OF THE FORT ORD LANDFILLS

Portions of the Property are located within 1,000 feet of the Fort Ord OU2 Landfills. In order to evaluate methane levels in soil adjacent to the OU2 Landfills, monitoring probes were installed within the landfill and around the landfill perimeter. The probes were placed at a spacing of 1,000 feet or less. The probes are sampled quarterly for methane and annually for volatile organic compounds. The probes will continue to be monitored for a period of thirty (30) years from the time the monitoring program was implemented (June 2000) or until written authorization to discontinue monitoring is provided by the appropriate enforcement agency with concurrence by the California Integrated Waste Management Board (CIWMB). Methane concentrations do not exceed the CIWMB standard of 5% by volume in probes located at the property boundary, with the exception of areas on the eastern side bordering property that is not included in this FOST. Results of perimeter probe monitoring may be found in the perimeter probe monitoring reports, which the Army publishes annually. The Army has implemented a gas collection and treatment system along the eastern side of the landfill adjacent to the existing housing area. To decrease the potential for landfill gas migration to surrounding property, a buffer was added extending 100 feet beyond the perimeter fencing. Future landowners should

refer to California Code of Regulations Title 27, Section 21190, which identifies protective measures for structures built on or within 1,000 feet of a landfill.

8. NOTICE OF RARE, THREATENED AND ENDANGERED SPECIES MANAGEMENT

- A. The property contains habitat occupied and/or potentially occupied by several sensitive wildlife and plant species, some of which are listed or proposed for listing as threatened or endangered under the Endangered Species Act (ESA). Applicable laws and regulations restrict activities that involve the potential loss of populations and habitats of listed species. To fulfill Grantor's commitment in the Fort Ord Disposal and Reuse Environmental Impact Statement Record of Decision, made in accordance with the National Environmental Policy Act of 1969, 42 U.S.C 4321 et seq., this deed requires the conservation in perpetuity of these sensitive wildlife and plant species and their habitats consistent with the U.S. Fish and Wildlife Service Biological Opinions for disposal of the former Fort Ord lands issued pursuant to Section 7 of the ESA on March 30, 1999, October 22, 2002, and March 14, 2005 respectively. By requiring Grantee, and its successors and assigns to comply with the Installation-Wide Multispecies Habitat Management Plan (HMP), Grantor intends to fulfill its responsibilities under Section 7 of the ESA and to minimize future conflicts between species protection and economic development of portions of the Property.
- B. Grantee acknowledges that it has received a copy of the HMP dated April 1997. The HMP, which is incorporated herein by reference, provides a basewide framework for disposal of lands within former Fort Ord wherein development and potential loss of species and/or habitat is anticipated to occur in certain areas of the former Fort Ord (the HMP Development Areas) while permanent species and habitat conservation is guaranteed within other areas of the former Fort Ord (i.e., the HMP Reserve and Corridor parcels). Disposal of former Fort Ord lands in accordance with and subject to the restrictions of the HMP is intended to satisfy the Army's responsibilities under Section 7 of the ESA.
- C. The following parcels of land within the Property hereby conveyed or otherwise transferred to Grantee are subject to the specific use restrictions and/or conservation, management, monitoring, and reporting requirements identified for the parcel in the HMP:
- 1) Habitat Reserve Parcels numbered: E11a, E11b.6.2 and S3.1.2; and
 - 2) Habitat reserves within the Development with Reserve Areas or Development with Restrictions Parcels numbered: E2a, E8a.1.1.2, S3.1.1, S3.1.3, and S4.1.1.
- D. Any boundary modifications to the Development with Reserve Areas or Development with Restrictions parcels or the Borderland Development Areas Along NRMA Interface must be approved in writing by the U. S. Fish and Wildlife Service (USFWS) and must maintain the viability of the HMP for permanent species and habitat conservation.

E. The HMP describes existing habitat and the likely presence of sensitive wildlife and plant species that are treated as target species in the HMP. Some of the target species are currently listed or proposed for listing as threatened or endangered under the ESA. The HMP establishes general conservation and management requirement applicable to the property to conserve the HMP species. These requirements are intended to meet mitigation obligations applicable to the property resulting from the Army disposal and development reuse actions. Under the HMP, all target species are treated as if listed under the ESA and are subject to avoidance, protection, conservations, and restoration requirements. Grantee shall be responsible for implementing and funding each of the following requirements set forth in the HMP as applicable to the property:

- 1) Grantee shall implement all avoidance, protection, conservation and restoration requirements identified in the HMP as applicable to the Property and shall cooperate with adjacent property owners in implementing mitigation requirements identified in the HMP for adjacent sensitive habitat areas.
- 2) Grantee shall protect and conserve the HMP target species and their habitats within the Property, and, other than those actions required to fulfill a habitat restoration requirement applicable to the Property, shall not remove any vegetation, cut any trees, disturb any soil, or undertake any other actions that would impair the conservation of the species or their habitats. Grantee shall accomplish the Resource Conservation Requirements and Management Requirements identified in Chapter 4 of the HMP as applicable to any portion of the Property.
- 3) Grantee shall manage, through an agency or entity approved by USFWS, each HMP parcel, or portion thereof, within the Property that is required in the HMP to be managed for the conservation of the HMP species and their habitats, in accordance with the provisions of the HMP.
- 4) Grantee shall either directly, or indirectly through its USFWS approved habitat manager, implement the management guidelines applicable to the parcel through the development of a site-specific management plan. The site-specific habitat management plan must be developed and submitted to USFWS (and, for non-Federal recipients, California Department of Fish and Game (CDFG) as well) for approval within six months from the date the recipient obtains title to the parcel. Upon approval by USFWS (and, as appropriate, CDFG) the recipient shall implement the plan. Such plans may thereafter be modified through the Coordinated Resource Management and Planning (CRMP) process or with the concurrence of USFWS (and, as appropriate, CDFG) as new information or changed conditions indicate the need for adaptive management changes. The six-month deadline for development and submission of a site-specific management plan may be extended by mutual agreement of USFWS, CDFG (if appropriate), and the recipient.

- 5) Grantee shall restrict access to the Property in accordance with the HMP, but shall allow access to the Property, upon reasonable notice of not less than 48 hours, by USFWS, and its designated agents, for the purpose of monitoring Grantee's compliance with, and for such other purposes as are identified in the HMP.
- 6) Grantee shall comply with all monitoring and reporting requirements set forth in the HMP that are applicable to the Property, and shall provide an annual monitoring report, as provided for in the HMP, to the Bureau of Land Management (BLM) on or before November 1 of each year, or such other date as may be hereafter agreed to by USFWS and BLM.
- 7) Grantee shall not transfer, assign, or otherwise convey any portion of, or interest in, the Property subject to the habitat conservation, management or other requirements of the HMP, without the prior written consent of Grantor, acting by and through the USFWS (or designated successor agency), which consent shall not be unreasonable withheld. Grantee covenants for itself, its successors and assigns, that it shall include and otherwise make legally binding the provisions of the HMP in any deed, lease, right of entry, or other legal instrument by which Grantee divests itself of any interest in all or a portion of the Property. The covenants, conditions, restrictions and requirements of this deed and the provisions of the HMP shall run with the land. The covenants, conditions, restrictions, and requirements of this deed and the HMP benefit the lands retained by the Grantor that formerly comprised Fort Ord, as well as the public generally. Management responsibility for the Property may only be transferred as a condition of the transfer of the Property, with the consent of the USFWS. USFWS may require the establishment of a perpetual trust fund to pay for the management of the Property as a condition of transfer of management responsibility from Grantee.
- 8) This conveyance is made subject to the following ENFORCEMENT PROVISIONS
 - a) Grantor hereby reserves a reversionary interest in all of the Property. If Grantor (or its assigns), acting through the USFWS or a designated successor agency, determines that those parcels identified in Paragraph C above or any other portion of the Property subject to a restriction or other requirement of the HMP is not being conserved and/or managed in accordance with the provisions of the HMP, then Grantor may, in its discretion, exercise a right to reenter the Property, or any portion thereof, in which case, the Property, or those portions thereof as to which the right of reentry is exercised, shall revert to Grantor. In the event that Grantor exercises its right of reentry as to all or portions of the Property, Grantee shall execute any and all documents that Grantor deems necessary to perfect or provide recordable notice of the reversion and for the complete transfer and reversion of all right, title and interest in the Property or portions thereof. Subject to applicable federal law, Grantee shall be liable for all costs and fees incurred by Grantor in perfecting the reversion and transfer of title. Any and all improvements on the Property or those portions thereof reverting back to Grantor

shall become the property of Grantor and Grantee shall not be entitled to any payment therefore.

- b) In addition to the right of reentry reserved in paragraph a. above, if Grantor (or its assigns), acting through the USFWS or a successor designated agency, determines that Grantee is violating or threatens to violate the provisions of paragraph 8 of this deed or the provisions of the HMP, Grantor shall provide written notice to Grantee of such violation and demand corrective action sufficient to cure the violation, and where the violation involves injury to the Property resulting from any use or activity inconsistent with the provisions of Paragraph 8 of this deed or the provisions of the HMP, to restore the portion of the Property so injured. If Grantee fails to cure a violation within sixty (60) days after receipt of notice thereof from Grantor, or under circumstances where the violation cannot reasonable be cured within a sixty (60) day period, or fails to continue to diligently cure such violation until finally cured, Grantor may bring an action at law or in equity in a court of competent jurisdiction to enforce the covenants, conditions, reservations and restrictions of this deed and the provisions of the HMP, to enjoin the violation, by temporary or permanent injunction, to recover any damages to which it may be entitled for violation of the covenants, conditions, reservations and restrictions of this deed or the provisions of the HMP, or injury to any conservation value protected by this deed or the HMP, and to require the restoration of the Property to the condition that existed prior to such injury. If Grantor, in its good faith and reasonable discretion, determines that circumstances require immediate action to prevent or mitigate significant damage to the species and habitat conservation values of the Property, Grantor may pursue its remedies under this paragraph without prior notice to Grantee or without waiting for the period provided for the cure to expire. Grantor's rights under this paragraph apply equally in the event of either actual or threatened violations of covenants, conditions, reservations and restrictions of this deed or the provisions of the HMP, and Grantee acknowledges that Grantor's remedies at law for any of said violations are inadequate and Grantor shall be entitled to the injunctive relief described in this paragraph, both prohibitive and mandatory, in addition to such other relief to which Grantor may be entitled, including specific performance of the covenants, conditions, reservations and restrictions of this deed and the provisions of the HMP.
- c) Enforcement of the covenants, conditions, reservations and restrictions in this deed and the provisions of the HMP shall be at the discretion of Grantor, and any forbearance by Grantor to exercise its rights under this deed and the HMP in the event of any such breach or violation of any provision of this deed or the HMP by Grantee shall not be deemed or construed to be a waiver by Grantor of such provision or of any subsequent breach or violation of the same or any other provision of this deed or the HMP or of any of Grantor's rights under this deed or the HMP. No delay or omission by Grantor in the exercise of any right or remedy

upon any breach or violation by Grantee shall impair such right or remedy or be construed as a waiver.

- d) In addition to satisfying Army's responsibilities under Section 7 of the ESA, Grantee's compliance with the covenants, conditions, reservations and restrictions contained in this deed and with the provisions of the HMP are intended to satisfy mitigation obligations included in any future incidental take permit issued by USFWS pursuant to Section 10(a)(1)(B) of the Endangered Species Act which authorizes the incidental take of a target HMP species on the Property. Grantee acknowledges that neither this deed nor the HMP authorizes the incidental take of any species listed under the ESA. Authorization to incidentally take any target HMP wildlife species must be obtained by Grantee separately, or through participation in a broader habitat conservation plan and Section 10(a)(1)(B) permit based on the HMP and approved by USFWS.

ENVIRONMENTAL PROTECTION PROVISIONS – APPLICABLE NOTICES

Parcel Number	Notice of Hazardous Substance Storage, Release or Disposal	Notice of Petroleum Product Storage, Release or Disposal	Notice of the Potential for Munitions and Explosives of Concern	Notice of the Presence of Asbestos	Notice of the Presence of Lead-Based Paint	Notice of Contaminated Groundwater	Notice of Proximity to Landfill	Notice of the Presence of Threatened or Endangered Species
E11a	NA	NA	Yes	NA	NA	Yes	NA	Yes
E11b.6.2	NA	NA	Yes	NA	NA	Yes	NA	Yes
E15.2	NA	NA	Yes	NA	NA	Yes	NA	NA
E20c.2.1	NA	NA	Yes	NA	NA	Yes	NA	Yes
E2a	Yes	Yes	Yes	NA	NA	Yes	NA	Yes
E4.1.2.1	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
E4.1.2.2	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
E4.1.2.3	Yes	Yes	Yes	NA	NA	Yes	NA	NA
E4.3.1.2	Yes	Yes	Yes	NA	NA	Yes	Yes	NA
E4.3.2.1	Yes	Yes	Yes	Yes	NA	Yes	Yes	NA
E4.6.1	Yes	Yes	Yes	NA	NA	Yes	Yes	Yes
E4.6.2	Yes	Yes	Yes	NA	NA	Yes	Yes	Yes
E8a.1.1.2	Yes	Yes	Yes	NA	Yes	Yes	Yes	Yes
L20.13.5	NA	NA	Yes	NA	NA	NA	NA	Yes
L20.14.1.1	NA	NA	Yes	NA	NA	Yes	NA	Yes
L20.14.2	NA	NA	Yes	NA	NA	Yes	NA	Yes
L20.15	NA	NA	Yes	NA	Yes	Yes	NA	NA
L20.6	NA	NA	Yes	NA	NA	NA	NA	Yes
L23.5.1	NA	NA	Yes	Yes	Yes	NA	NA	Yes
L31	NA	NA	Yes	NA	NA	NA	NA	Yes
L5.6.1	Yes	Yes	Yes	NA	NA	Yes	Yes	Yes
L5.6.2	Yes	Yes	Yes	Yes	NA	Yes	Yes	Yes
L9.1.1.2	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
L9.1.2.2	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
S3.1.1	Yes	Yes	Yes	Yes	Yes	Yes	NA	Yes
S3.1.2	Yes	Yes	Yes	NA	NA	Yes	NA	Yes
S3.1.3	NA	NA	Yes	Yes	Yes	Yes	NA	Yes
S3.1.4	NA	NA	Yes	NA	NA	Yes	NA	Yes
S4.1.1	Yes	Yes	Yes	NA	NA	Yes	NA	NA

ATTACHMENT 6

DEFINITIONS FOR THE MILITARY MUNITIONS RESPONSE PROGRAM

Definitions for the Military Munitions Response Program¹

Military Munitions Response Program (MMRP) – DOD-established program to manage environmental, health and safety issues presented by munitions and explosives of concern (MEC).

Military Munitions – Ammunition products and components produced for and used by the armed forces for national defense and security. The term does not include wholly inert items. (10 U.S.C. 101(e)(4)(A) through (C)).

Munitions Response (MR) – Response actions, including investigation, removal actions and remedial actions to address the explosives safety, human health, or environmental risks presented by unexploded ordnance (UXO) or discarded military munitions (DMM), or munitions constituents.

Munitions Response Site (MRS) – A discrete location that is known to require a munitions response.

Munitions and Explosives of Concern (MEC) – This term, which distinguishes specific categories of military munitions that may pose unique explosives safety risks, means: (A) Unexploded ordnance (UXO), as defined in 10 U.S.C. 101(e)(5)(A) through (C); (B) Discarded military munitions (DMM), as defined in 10 U.S.C. 2710 (e)(2); or (C) Munitions constituents (e.g., TNT, RDX), as defined in 10 U.S.C. 2710 (e)(3), present in high enough concentrations to pose an explosive hazard. For the purposes of the basewide Munitions Response Program being conducted for the former Fort Ord and this FOST, MEC does not include small arms ammunition .50 caliber and below.²

Unexploded Ordnance (UXO) – Military munitions that (A) have been primed, fuzed, armed, or otherwise prepared for action; (B) have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material; and (C) remain unexploded either by malfunction, design, or any other cause. (10 U.S.C. 101(e)(5)(A) through (C)). For the purposes of the basewide Munitions Response Program being conducted for the former Fort Ord and this FOST, UXO does not include small arms ammunition .50 caliber and below.

Discarded Military Munitions (DMM) – Military munitions that have been abandoned without proper disposal or removed from storage in a military magazine or other storage area for the purpose of disposal. The term does not include unexploded ordnance, military munitions that are being held for future use or planned disposal, or military munitions that have been properly disposed of consistent with applicable environmental laws and regulations. (10 U.S.C. 2710(e)(2)). For the purposes of the basewide Munitions Response Program being conducted for

¹ These are concise definitions. The reader is referred to United States Code as referenced in the definitions above for detailed information.

² In accordance with U.S. Army Engineering and Support Center, Huntsville, Ordnance and Explosives Center of Expertise guidance on small arms determinations, small arms ammunition (i.e., caliber .50 and smaller) present a very low risk to the public because: 1) caliber .50 and smaller rarely contain explosive projectiles, and 2) a deliberate effort must be applied (using a tool resembling a firing pin) to a very specific and small point (the primer) to make the round function.

the former Fort Ord and this FOST, UXO does not include small arms ammunition .50 caliber and below.

Munitions Constituents (MC) – Any materials originating from unexploded ordnance, discarded military munitions, or other military munitions, including explosive and non-explosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions. (10 U.S.C. 2710).

Explosive Hazard – A condition where danger exists because explosives are present that may react (e.g., detonate, deflagrate) in a mishap with potential unacceptable effects (e.g., death, injury, damage) to people, property, operational capability, or the environment.

Explosives Safety – A condition where operational capability and readiness, people, property, and the environment are protected from the unacceptable effects or risks of potential mishaps involving military munitions.

Minimum Separation Distance (MSD) – MSD is the distance at which personnel in the open must be from an intentional or unintentional detonation.

Munitions Debris – Remnants of munitions (e.g., fragments, penetrators, projectiles, shell casings, links, fins) remaining after munitions use, demilitarization or disposal.

Range-related Debris – Debris, other than munitions debris, collected from operational ranges or from former ranges (e.g., targets).

Range – A designated land or water area that is set aside, managed, and used for range activities of the Department of Defense. (10 U.S.C. 101(e)(1)(A) and (B)).

Range Activities – Research, development, testing, and evaluation of military munitions, other ordnance, and weapons systems; and the training of members of the armed forces in the use and handling of military munitions, other ordnance, and weapons systems. (10 U.S.C. 101(e)(2)(A) and (B)).

Small Arms Ammunition – Ammunition, without projectiles that contain explosives (other than tracers), that is .50 caliber or smaller, or for shotguns.

ATTACHMENT 7

REGULATORY/PUBLIC COMMENTS



Department of Toxic Substances Control

Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA

8800 Cal Center Drive
Sacramento, California 95826-3200



Arnold Schwarzenegger
Governor

June 30, 2005

Ms. Gail Youngblood
BRAC Environmental Coordinator
Fort Ord Base Realignment and Closure Office
Post Office Box 5004
Monterey, California 93944-5004

REVIEW OF DRAFT FINDING OF SUITABILITY TO TRANSFER (FOST) TRACK 0
PLUG-IN, AND TRACK 1 PARCELS, GROUP C PARCELS, FORMER FORT ORD,
MONTEREY, CALIFORNIA, MAY 5, 2005

Dear Ms. Youngblood:

The Department of Toxic Substances Control (DTSC) has reviewed the Draft FOST for the subject parcels and has the following comments:

1. Please incorporate the following comment regarding lead-based paint into the draft FOST, or attach it to the draft FOST as an unresolved regulatory comment:

There are buildings on some of these Parcels that probably contain lead-based paint, and this paint may have fallen off the buildings into the soil. Further, the Army did not sample the buildings or the soil for lead-based paint. DTSC's position is that any soils surrounding structures containing lead-based paint should first be evaluated by property owners for releases of lead-based paint to soils prior to the property being used for residential or other sensitive uses.

The FOST contains a section entitled "Environmental Protection Provisions." These provisions will be part of the deed and include a section on lead-based paint which states that the property recipient shall not permit the occupancy or use any of the buildings or structures on the property as residential real property without complying with applicable federal, state and local laws and regulations pertaining to lead based paint hazards. Please be advised that "lead based paint hazards" include lead contamination in soil from lead based paint. DTSC intends to work with all parties to assure the Army's Environmental Protection Provisions and the State law and regulations are complied with regarding lead contaminated soil on former Fort Ord.

2. Please add the following language to the Draft FOST:

Because Fort Ord operated as a Resource Conservation and Recovery Act (RCRA) hazardous waste facility, the owner is required to conduct corrective action for any release or potential release of hazardous substances on the whole facility. The "facility," defined as the Fort Ord Hazardous Waste Facility, is the entire base within the original base boundary. In order to remove this potential corrective action liability for any current or future owners of former Fort Ord property, DTSC must make a Correction Action Complete Determination and Facility Boundary Modification in accordance with the California Hazardous Waste Control Law. This determination officially recognizes that all releases and potential releases of hazardous substances have been addressed pursuant to RCRA and terminates RCRA liability that could potentially be imposed upon future transferees. The boundary modification removes the property from the Fort Ord Hazardous Waste Facility. While DTSC has recommended that the Army do so, the Army has not requested a RCRA Corrective Action Complete Determination for these parcels. Should a transferee desire not to potentially have RCRA liabilities upon transfer of the property, they should contact DTSC to complete the necessary process. Once the request is received, DTSC would work closely with the requestor to complete the process, which includes modifying the facility boundary.

3. Table 4. Please ensure that all regulatory approvals of decision documents are referenced for each parcel in the final FOST. DTSC will complete its evaluation of the parcels and, if appropriate, will issue a No Further Action determination to the Army.
4. Site 39A. Please include a statement that DTSC's No Further Action Letter also applied to the removal of soils with elevated lead from a release of lead based paint. This removal was completed by the future property recipients for Army Parcel L23.3.1. This information explains that lead based paint release issues are addressed for this area to the satisfaction of DTSC and is further evidence of the suitability of the property for varied uses.
5. Plume Maps. Please include a map which depicts the aerial extent of the groundwater plumes in the FOST. The FOST should always show the location of all Installation Restorations Program Sites which impact the property.
6. Plate 6, Landfill areas. This map does not clearly depict the 100 foot buffer zone around the landfill boundary. In addition, the legend does not describe the buffer zone. Please revise the map to clearly delineate the buffer zone and describe it in the map legend.

Ms. Gail Youngblood
June 30, 2005
Page 3

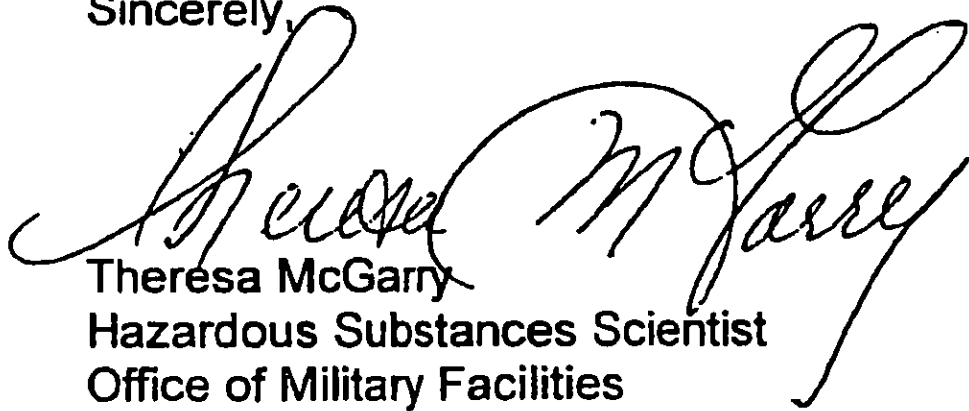
7. As of the date of this letter, DTSC has not received the Munitions and Explosives information it requested on Parcel E8a.1.1.2.

Finally, DTSC reserves the right to address any appropriate environmental or human health related issues should additional information concerning the environmental condition of subject property become available in the future.

DTSC expects to see the final version of the FOST, prior to release, to ensure all regulatory comments are adequately addressed.

If you have any questions, please contact me at (916) 255-3664 or Roman Racca, Project Manager, at (916) 255-6407.

Sincerely,



Theresa McGarry
Hazardous Substances Scientist
Office of Military Facilities

cc: Mr. Ronald M. Holland
Veterans Transition Center
220 12th Street
Martinez Hall
Marina, California 93933

Ms. Vicky Nakamura
Monterey Peninsula College
980 Fremont Street
Monterey, California 93940-4799

Mr. Chuck Harmon
Head of School
York School
950 York Road
Monterey, California 93950

Ms. Gail Youngblood
June 30, 2005
Page 4

cc: Mr. Derek Lieberman
Fort Ord Base Realignment and Closure Office
Post Office Box 5004
Monterey, California 93944-500

Mr. Michael Houlemard
Fort Ord Reuse Authority
100 12th Street, Building 2880
Marina, California 93933

Mr. Nick Chulos
Monterey County
Environmental Resource Policy
Post Office Box 180
Salinas, California 99302

Mr. David Murray
State of California
Department of Transportation
50 Higuera Street
San Luis Obispo, California 934401-5415

Ms. Ruth Coleman, Director
California Parks and Recreation
Post Office Box 942896
Sacramento, California 94396-0001

Ms. Claire Trombadore
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 93944-5004

Mr. Grant Himebaugh
Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401-7906



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

June 30, 2005

Ms. Gail Youngblood
BRAC Environmental Coordinator
Fort Ord Base Realignment and Closure Office
P.O. Box 5004
Monterey, CA 93944-5004

RE: Revised Finding of Suitability to Transfer (FOST), Track 0 Plug-in C Parcels and Track 1 Parcels, Former Fort Ord, dated May 2005, also known as FOST 9

Dear Ms. Youngblood:

The United States Environmental Protection Agency (EPA) has reviewed FOST 9 as the above referenced document. EPA comments are provided in an attachment to this letter.

Should you have any questions, please contact me at (415) 972-3013.

Sincerely,

A handwritten signature in cursive script that reads "Claire Trombadore".

Claire Trombadore
Remedial Project Manager

cc: Roman Racca, DTSC
Grant Himebaugh, RWQCB

Attachment

**REVIEW OF THE
REVISED FINDING OF SUITABILITY TO TRANSFER
TRACK 0 PLUG-IN C PARCELS AND TRACK 1 PARCELS (FOST 9)
FORMER FORT ORD
MAY 2005**

SPECIFIC COMMENTS

1. **Section 4.1 Environmental Remediation Sites, page 7:** Please note in the text of the first paragraph of this section which parcels the OU2 TCE plume flows under. If possible, please also the maximum concentration are as well as the depth to groundwater. Despite this information being included in various attachments to the FOST please include it in the Section 4.1 text.
2. **Section 4.9 Munitions and Explosives of Concern (MEC), MRS-6 Expansion Area, page 19:** The first sentence in this section states that, "The MRS-6 Expansion Area lies within Parcel E2a, between MRS-6 and MRS-1 (Plate 4)." No mention is made here or elsewhere in the section that the MRS-6 Expansion Area overlaps Parcel E4.1.2.2, Parcel S4.1.1 and possibly Parcel E4.1.2.1 as well. However, Plate 4 appears to show such an overlap (the boundaries of Parcel E4.1.2.1 are not well defined on the plate). In addition, a check of Attachment 3 Tables, Table 2 Track 0 Plug-In Parcels Associated with Track 1 Sites (Group C), reveals that the MRS-6 Expansion Area is not listed in the table as overlapping any of these parcels, to include Parcel E2a. Please review the cited section/plate/table and correct the cited inconsistencies as necessary.
3. **Section 4.9.1 Incidental Military Munitions, page 22:** The first sentence in this section states that, "Military munitions items were found in three parcels within Track 0 areas." This seems to be an all-encompassing statement which could be applied to all of the Track 0 parcels which currently exist at the installation, as well as to any future Track 0 plug-in parcels currently unidentified. The sentence should be revised to apply only to the Track 0 parcels under consideration in this FOST.

In addition, the three parcels listed as having contained incidental military munitions (Parcels E4.3.1.2, E8a.1.1.2, and L20.13.5) do not appear to be the only parcels that meet this criteria. A check of Table 5 Environmental Condition of Property of Attachment 3 Tables reveals that Parcel L20.6 also had incidental military munitions items found within its boundaries. Please review the cited discrepancies and correct them as necessary. Also, please review the documentation of all of the parcels scheduled for transfer as Track 0 parcels for the presence of incidental military munitions and list all which have such items present in Section 4.9.1.

4. **Attachment 2, Environmental Documentation, page 3:** The Army should include the following reference, *Final Landfill Gas Perimeter Probe Monitoring Report, 2003, Operable Unit 2 Landfills, Revision 0 dated November 2004.*

ERRATA

- 1. Section 4.0 Environmental Condition of Property, Community Environmental Response Facilitation Act (CERFA) Report, Parcels L20.15, S3.1.3, and S3.1.4, page 6: The third paragraph in this subsection uses two different sizes of fonts for no apparent reason. Please correct this typographical error.**



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

July 8, 2005

Ms. Gail Youngblood
BRAC Environmental Coordinator
Fort Ord Base Realignment and Closure Office
P.O. Box 5004
Monterey, CA 93944-5004

RE: Revised Finding of Suitability to Transfer (FOST), Track 0 Plug-in C Parcels and Track 1 Parcels, Former Fort Ord, dated May 2005, also known as FOST 9

Dear Ms. Youngblood:

The United States Environmental Protection Agency (EPA) has some additional comments on above referenced document (FOST 9). EPA comments are provided in an attachment to this letter.

Should you have any questions, please contact me at (415) 972-3013.

Sincerely,

A handwritten signature in cursive script that reads "Claire Trombadore".

Claire Trombadore
Remedial Project Manager

cc: Roman Racca, DTSC
Grant Himebaugh, RWQCB

Attachment

**ADDITIONAL EPA COMMENTS
REVISED FINDING OF SUITABILITY TO TRANSFER
TRACK 0 PLUG-IN C PARCELS AND TRACK 1 PARCELS (FOST 9)
FORMER FORT ORD
MAY 2005**

SPECIFIC COMMENTS

1. Please add the following language (or something like it) to Attachment 5, Section 7 - Notice re the OU 2 landfills: The landfill gas monitoring probes are sampled quarterly for methane and annually for volatile organic compounds. Monitoring of landfill gas is required for 30 years. The results of the landfill gas monitoring can be found on the Army's web site: www.fortordcleanup.com.

Mr. Robert Carr, EPA Region 9 Office of Regional Counsel, has completed his review of FOST 9 and has the following comments:

1. The language which appears at page 2 of attachment 4, and is repeated at page 3, limiting the CERCLA Covenant does not reflect EPA's understanding of the Army's obligation. The language is based on the notion that a PRP who acquires federal property is not entitled to the statutory covenant; however the Army language does not focus on the status of the parties at the time of the transfer. Any party who acquires contaminated property is a PRP with respect to that property, subject to various defenses. The second sentence which purports to limit the exclusion contained in the first is also flawed because it would allow the Army to avoid its obligation under the CERCLA covenant if any act of the transferee contributed to a release of a hazardous substance remaining on the parcel. For example, if there were construction debris remaining on the parcel the act of the transferee, unknowingly disturbing the debris and releasing asbestos to the environment, could void the Army's obligation to address the asbestos.

This section should be rewritten to focus on the status of the parties at the time of transfer and to make it clear that while the transferee could incur responsibility for improperly dealing with hazardous substance which might be encountered, the primary responsibility for addressing material remaining on the parcel is retained by the Army. EPA would be happy to discuss specific language to accomplish this objective.

2. Paragraphs 6 and 7 both contain broad language limiting the Army's liability (or requiring indemnification) but also include a saving's clause which references the Army's obligation under the CERCLA Covenant. This approach is questionable both because of the ambiguity created by the language and the limitation of the Army's obligation noted above. The transferee should receive a clear statement of the obligations retained by the Army and the obligations it is assuming under the deed.
3. Paragraph 8 contains language which EPA believes is inconsistent with the intention of Congress that the military remain responsible for its contamination. Paragraph 8 places on the Transferee the burden of establishing that any newly discovered contamination was due to the actions of the Army. In addition, the Transferee must show that any release was the result of Army action, thus if the Transferee's action causes or contributes to the

release of Army contamination, the Transferee would be responsible. This section contains no provision acknowledging the Army's statutory obligation. The requirement to obtain written permission prior to disturbing any newly discovered hazardous substances may be unrealistic and could preclude a claim by a Transferee who encountered contamination, properly segregated and managed it and subsequently sought to recover the cost of managing the material from the Army.

4. There is also a reference in Section 5 of Attachment 5 which obligates the transferee to conduct the Army's abatement obligation with respect to LBP. Unless the property was "target housing" as that term is defined under TSCA, federal law does not impose an abatement obligation on the Army. To be protective, the LBP section should require that prior to the use of the property for residential purposes, the transferee take all actions which would have been required had the property been subject to the requirements for "target housing".



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

July 19, 2005

Ms. Gail Youngblood
BRAC Environmental Coordinator
Fort Ord Base Realignment and Closure Office
P.O. Box 5004
Monterey, CA 93944-5004

RE: Revised Finding of Suitability to Transfer (FOST), Track 0 Plug-in C Parcels and Track 1 Parcels, Former Fort Ord, dated May 2005, also known as FOST 9

Dear Ms. Youngblood:

The United States Environmental Protection Agency (EPA) has some additional comments on above referenced document (FOST 9). EPA comments are provided in an attachment to this letter. All other EPA comments on FOST 9 previously submitted (with the exception of those provided by EPA Regional Counsel Robert Carr on July 8, 2005 and reiterated in the attachment to this letter) have been resolved satisfactorily by the Army and EPA need only verify that the changes noted in the Army responses to EPA comments have been incorporated into the FOST, as appropriate.

Should you have any questions, please contact me at (415) 972-3013.

Sincerely,

A handwritten signature in black ink that reads "Claire Trombadore".

Claire Trombadore
Remedial Project Manager

cc: Roman Racca, DTSC
Grant Himebaugh, RWQCB

Attachment

**ADDITIONAL EPA COMMENTS
REVISED FINDING OF SUITABILITY TO TRANSFER
TRACK 0 PLUG-IN C PARCELS AND TRACK 1 PARCELS (FOST 9)
FORMER FORT ORD
MAY 2005**

SPECIFIC COMMENTS

1. EPA requests that the Army retain a buffer zone of 100 feet surrounding the entire perimeter of the OU 2 landfill.
2. EPA requests that the Army confirm it has an emergency response plan for the OU 2 landfill as required by Section 21130, Article 2, Subchapter 5, Chapter 3, Title 27 of the California Code of Regulations.
3. Based upon discussions with the Army, the following comments, developed by Mr. Robert Carr of the Office of Regional Counsel EPA Region 9 and submitted to the Army on July 8, 2005, shall remain unresolved and attached to the final FOST:

1) The language which appears at page 2 of attachment 4, and is repeated at page 3, limiting the CERCLA Covenant does not reflect EPA's understanding of the Army's obligation. The language is based on the notion that a PRP who acquires federal property is not entitled to the statutory covenant; however the Army language does not focus on the status of the parties at the time of the transfer. Any party who acquires contaminated property is a PRP with respect to that property, subject to various defenses. The second sentence which purports to limit the exclusion contained in the first is also flawed because it would allow the Army to avoid its obligation under the CERCLA covenant if any act of the transferee contributed to a release of a hazardous substance remaining on the parcel. For example, if there were construction debris remaining on the parcel the act of the transferee, unknowingly disturbing the debris and releasing asbestos to the environment, could void the Army's obligation to address the asbestos.

This section should be rewritten to focus on the status of the parties at the time of transfer and to make it clear that while the transferee could incur responsibility for improperly dealing with hazardous substance which might be encountered, the primary responsibility for addressing material remaining on the parcel is retained by the Army. EPA would be happy to discuss specific language to accomplish this objective.

2) Paragraphs 6 and 7 both contain broad language limiting the Army's liability (or requiring indemnification) but also include a saving's clause which references the Army's obligation under the CERCLA Covenant. This approach is questionable both because of the ambiguity created by the language and the limitation of the Army's obligation noted above. The transferee should receive a clear statement of the obligations retained by the Army and the obligations it is assuming under the deed.

3) Paragraph 8 contains language which EPA believes is inconsistent with the intention of Congress that the military remain responsible for its contamination. Paragraph 8 places on the Transferee the burden of establishing that any newly discovered contamination was

due to the actions of the Army. In addition, the Transferee must show that any release was the result of Army action, thus if the Transferee's action causes or contributes to the release of Army contamination, the Transferee would be responsible. This section contains no provision acknowledging the Army's statutory obligation. The requirement to obtain written permission prior to disturbing any newly discovered hazardous substances may be unrealistic and could preclude a claim by a Transferee who encountered contamination, properly segregated and managed it and subsequently sought to recover the cost of managing the material from the Army.

4) There is also a reference in Section 5 of Attachment 5 which obligates the transferee to conduct the Army's abatement obligation with respect to LBP. Unless the property was "target housing" as that term is defined under TSCA, federal law does not impose an abatement obligation on the Army. To be protective, the LBP section should require that prior to the use of the property for residential purposes, the transferee take all actions which would have been required had the property been subject to the requirements for "target housing".

ATTACHMENT 8

ARMY RESPONSE

ARMY RESPONSE TO COMMENTS FROM THE U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA), REGION IX, RECEIVED BY THE ARMY IN A LETTER DATED JUNE 30, 2005.

Response to Specific Comment 1: Operable Unit 2 (OU2) Landfills is discussed as an environmental remediation site under Section 4.1; however, the groundwater contamination component of OU2 is described in Section 4.2.2 where the Notice of the Presence of Contaminated Groundwater (Section 6) in the Environmental Protection Provisions (EPP, Attachment 5) is also referenced. Per discussion with US EPA on July 7, 2005, the requested information has been added to Section 6 of the EPP.

Response to Specific Comment 2: The description of the MRS-6 Expansion Area in Section 4.9 has been revised to include Parcels E4.1.2.1, E4.1.2.2, and S4.1.1. Plate 4 (Attachment 1) has been revised to include an inset map, which provides more detail of the MRS-6 Expansion Area. Table 2 (Attachment 3) has been revised to list the MRS-6 Expansion Area as a Track 1 Site overlapping Parcels E2a, E4.1.2.1, E4.1.2.2 and S4.1.1.

Response to Specific Comment 3: The first sentence in Section 4.9.1 has been revised to "Incidental military munitions items were found in seven Track 0 parcels that are in this FOST." The list of parcels in Section 4.9.1 has been expanded to include Parcels E4.6.1, E4.6.2, L5.6.1, and L5.6.2, which are described in the Track 0 Plug-in Approval Memorandum – Group C Parcels as parcels where incidental military munitions were found. While incidental military munitions are not discussed in Table 5 (Attachment 3) of the FOST, the boundaries of Parcel L20.6 and MRS-62 are congruent; therefore, any munitions items found within the parcel were not considered incidental. Munitions debris (expended pyrotechnic items) and expended blank small arms ammunition were found in Parcel L20.6 (MRS-62), as described in Sections 4.2.3 and 4.9 of the FOST

Response to Specific Comment 4: The *Final Landfill Gas Perimeter Probe Monitoring Report, 2003, Operable Unit 2 Landfills, Revision 0* had been added to list of references. Additionally, because they are referenced in discussion of the Operable Unit 2 Landfills in the FOST, the perimeter probe monitoring reports from 2000, 2001 and 2002, the *Draft Final Report, 2003 Ambient Air Monitoring and Human Health Risk Assessment, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0* and the *Draft Final Work Plan, Landfill Gas System Expansion, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0* have been added to the list of references.

Response to Errata 1: The cited paragraph in Section 4.0 was corrected to have the same font size throughout.

ARMY RESPONSE TO COMMENTS FROM THE US EPA, REGION IX, RECEIVED BY THE ARMY IN A LETTER DATED JULY 8, 2005.

Response to Additional Comment: Section 7 of the Environmental Protection Provisions (EPP) has been revised to state that the OU2 Landfills perimeter probes are sampled quarterly for methane and annually for volatile organic compounds and this monitoring program will occur for

thirty years from the time of implementation (June 2000) or until written authorization to discontinue monitoring is provided by the appropriate enforcement agency with concurrence by the California Integrated Waste Management Board (CIWMB). It has also been added to the text of Section 7 that the results of perimeter probe monitoring may be found in the annual perimeter probe monitoring report; however, the reference to the Former Fort Ord Environmental Cleanup web site was not added because the EPP language is included in the deed, which is a permanent legal instrument. While it may currently be true that this information may be accessed at the website, this may not be so in the future; however, if future property recipients wish to access this information, they may determine how to do so through the documentation provided as part of the transfer.

Response to Comments 1 through 4: The Army believes the standard language in Attachments 4 and 5 of the FOST is legally sufficient. These comments are considered to be unresolved.

ARMY RESPONSE TO COMMENTS FROM THE US EPA, REGION IX, RECEIVED BY THE ARMY IN A LETTER DATED JULY 19, 2005.

Response to Specific Comment 1: Though not required by applicable regulations, the Army agrees with the US EPA that it is prudent to maintain a buffer zone around the perimeter of the OU2 Landfills. Plate 6 (Attachment 1) of the FOST has been revised to clearly depict the buffer zone around the OU2 Landfills that has already been established by the Army. As indicated on the plate, the buffer zone is 100 feet or greater in width around the majority of the OU2 Landfills Areas. The exceptions are on the north side of Area B and the east side of Area F.

The parcel to the north of Area B (E4.6.2) is a transportation corridor with right-of-ways for proposed Imjin Road widening and a heavy rail line. Based on the available analytical data from perimeter probes at Area B and the intended reuse of Parcel E4.6.2, the Army believes it is not necessary to infringe upon the transportation corridor by widening the buffer zone past the property boundary.

The parcel to the east of Area F (S1.2.2) was transferred in 1997, prior to completion of the engineered landfill cover system and installation of the landfill gas (LFG) monitoring system; therefore, the landfill fence is constructed on the property boundary, which is less than 100 feet from the landfill perimeter. On all other parts of the landfill, the Army property extends beyond the landfill fence line. In response to elevated methane levels detected in perimeter probes on the east side of Area F, the Army started operating a LFG extraction and treatment system in June 2001. This system has since maintained methane concentrations along the fence line adjacent to the eastern side of Area F to less than the 5 percent standard. The Army is in the process of expanding the LFG extraction and treatment system to increase its effectiveness. Based on this, the Army believes LFG will continue to be controlled on the east side of Area F in compliance with Title 27 of the California Code of Regulations (CCR); therefore, it is not necessary to have a 100-foot wide buffer zone in this area.

Additionally, as described in the Response to Additional Comment above, quarterly monitoring of compliance probes will continue for thirty years from the time of implementation (June 2000)

or until written authorization to discontinue monitoring is provided by the appropriate enforcement agency with concurrence by the CIWMB.

Response to Specific Comment 2: The Army does have an emergency response plan for the OU2 Landfills as required by Section 21130, Article 2, Subchapter 5, Chapter 3, Title 27 of the CCR. The emergency response plan may be found in Appendix D of the Post-Closure Operation and Maintenance Plan, Areas B through F Remedial Action, Operable Unit 2 Landfills. The Army is currently revising the emergency response plan to clarify response to LFG release.

Response to Specific Comment 3: The Army believes the standard language in Attachments 4 and 5 of the FOST is legally sufficient. Mr. Carr's comments are included in Attachment 7 of this FOST and remain unresolved.

ARMY RESPONSE TO COMMENTS FROM THE CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY, DEPARTMENT OF TOXIC SUBSTANCES CONTROL (DTSC), RECEIVED BY THE ARMY IN A LETTER DATED JUNE 30, 2005.

Response to Comment 1: The text given in the comment is considered to be an unresolved regulatory comment as shown in Attachment 7 of the FOST; however, it is also noted here that the Army did sample buildings and soil in the Patton Park housing area, which includes Parcels E4.1.2.1, E4.1.2.2, L9.1.1.2 and L9.1.2.2, for lead associated with suspected lead-based paint, as described in Section 4.6 of this FOST.

Response to Comment 2: The Army will proceed with modifying the boundaries of the Fort Ord Hazardous Waste Facility and will request a RCRA Corrective Action Complete Determination as it pertains to parcels in this FOST and the FOST for Track 0 and Track 0 Plug-in B Parcels; therefore, it is not necessary to add this language to the FOST.

Response to Comment 3: Decision documents listed in Table 4 (Attachment 3) and referenced the text of the FOST that require regulatory approvals have been identified and the regulatory approvals appropriately cited.

Response to Comment 4: The Army recognizes DTSC's No Further Action letter also regards the removal of soil impacted by lead-based paint on Parcel L23.3.1; however, the Army believes it is not appropriate to include discussion of this work in the FOST because Parcel L23.3.1 is not part of this FOST. Army environmental remedial actions at Site 39A are described in the FOST because Site 39A is adjacent to a parcel included in this FOST.

Response to Comment 5: Plates 4 and 6 (Attachment 1) of the FOST have been revised to show the aerial extent of the Sites 2 and 12 and Operable Unit 2 groundwater plumes, respectively. Text has also been added to relevant sections of the FOST to indicate that the plume delineations shown on the Plates are based on the Army's understanding of the plumes from analytical data associated with a specific groundwater sampling event in September 2004. The Army agrees with the DTSC's position that the FOST should describe all Installation Restoration Program (IRP) Sites that may impact the Property.

Response to Comment 6: Plate 6 (Attachment 1) of the FOST has been revised to clearly depict the buffer zone around the OU2 Landfills and describe the buffer zone in the Plate Explanation.

Response to Comment 7: The munitions and explosives of concern (MEC) information on Parcel E8a.1.1.2 was incorporated into a revised version of the *Track 0 Plug-in Approval Memorandum, Selected Parcels – Group C, Former Fort Ord, California*, which was issued to the regulatory agencies on July 1, 2005. This information was also incorporated into Section 4.9.1 of the FOST.



Department of Toxic Substances Control



Alan C. Lloyd, Ph.D.
Agency Secretary
Cal/EPA

8800 Cal Center Drive
Sacramento, California 95826-3200

Arnold Schwarzenegger
Governor

August 24, 2005

Ms. Gail Youngblood
BRAC Environmental Coordinator
Fort Ord Base Realignment and Closure Office
Post Office Box 5004
Monterey, California 93944-5004

**CONCURRENCE WITH FINDING OF SUITABILITY TO TRANSFER (FOST) TRACK 0
PLUG-IN C PARCELS, TRACK 1 AND TRACK 1 PLUG-IN PARCELS,
FORMER FORT ORD, MONTEREY, CALIFORNIA, JULY 2005**

Dear Ms. Youngblood:

The Department of Toxic Substances Control (DTSC) has reviewed the FOST for the subject parcels and conditionally concurs that they are suitable to transfer. The parcels, acreage, intended use and recipient are listed in Table 1, attached. This concurrence is contingent upon the following:

- a. Army signing the Land Use Covenant regarding Groundwater Restrictions for Parcels S4.1.1; E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1, and L5.6.2, prior to transfer.
- b. Fort Ord Reuse Authority signing the Land Use Covenant requiring protective measures for structures located within 1000 feet of the landfill (e.g. Parcels E4.3.1.2, L5.6.2, E4.3.2.1, L5.6.1, E4.6.2 and E8a.1.1.2) prior to transfer.
- c. California Department of Parks and Recreation entering into a Agreement and Land Use Covenant to address future monitoring of the beach areas, Parcels S3.1.1, S3.1.2, and S3.1.4 prior to transfer.

Please attach the following comment regarding lead-based paint to the FOST as an unresolved regulatory comment:

There are buildings on some of these Parcels that probably contain lead-based paint, and this paint may have fallen off the buildings into the soil. Further, the Army did not sample the buildings or the soil for lead-based paint. DTSC's position is that any soils surrounding structures containing

Ms. Gail Youngblood
August 24, 2005
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lead-based paint should first be evaluated by property owners for releases of lead-based paint to soils prior to the property being used for residential or other sensitive uses.

The FOST contains a section entitled "Environmental Protection Provisions". These provisions will be part of the deed and include a section on lead-based paint which states that the property recipient shall not permit the occupancy or use any of the buildings or structures on the property as residential real property without complying with applicable federal, state and local laws and regulations pertaining to lead based paint hazards. Please be advised that "lead based paint hazards" include lead contamination in soil from lead based paint. DTSC intends to work with all parties to assure the Army's Environmental Protection Provisions and the State law and regulations are complied with regarding lead contaminated soil on former Fort Ord.

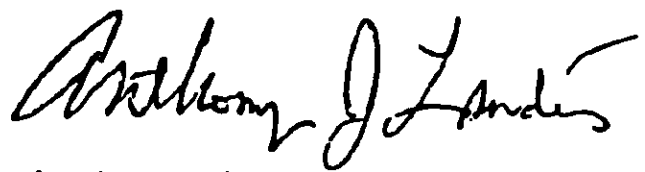
Because Fort Ord operated as a Resource Conservation and Recovery Act (RCRA) hazardous waste facility, the owner is required to conduct corrective action for any release or potential release of hazardous substances on the whole facility. The "facility," defined as the Fort Ord Hazardous Waste Facility, is the entire base within the original base boundary. In order to remove this potential corrective action liability for any current or future owners of former Fort Ord property, DTSC must make a Correction Action Complete Determination and Facility Boundary Modification in accordance with the California Hazardous Waste Control Law. This determination officially recognizes that all releases and potential releases of hazardous substances have been addressed pursuant to RCRA and terminates RCRA liability that could potentially be imposed upon future transferees. The boundary modification removes the property from the Fort Ord Hazardous Waste Facility. The Army has agreed to request a RCRA Corrective Action Complete Determination for these parcels. This Determination must be completed prior to transfer to prevent the transferee from incurring RCRA liabilities upon ownership of the property.

DTSC reserves the right to address any appropriate environmental or human health related issues should additional information concerning the environmental condition of subject property become available in the future.

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Finally, please note that should this property be considered for the proposed acquisition and/or construction of school properties utilizing state funding, a separate environmental review process in compliance with California Education Code 12710 et. seq, will need to be conducted and approved by DTSC.

If you have any questions, please contact me at (916) 255-3732 or Theresa McGarry of my staff at (916) 255-3664.



Anthony J. Landis, P.E.
Chief
Northern California Operations
Office of Military Facilities

Attachment

cc: Mr. Nick Chulos
Principal Administrative Analyst
County of Monterey
230 Church Street, Building 3
Salinas, California 93901

Mr. Ronald M. Holland
Veterans Transition Center
220 12th street
Marina, California 93933

Mr. Derek Lieberman
Fort Ord Base Realignment and Closure Office
Post Office Box 5004
Monterey, California 93944-500

Mr. Michael Houlemard
Fort Ord Reuse Authority
100 12th Street, Building 2880
Marina, California 93933

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cc: Ms. Claire Trombadore
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 93944-5004

Mr. David Murray
Department of Transportation
50 Higuera Street
San Luis Obispo, California 934401-5415

Mr. Grant Himebaugh
Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401-7906

Table 1 – Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
E11a (147)	FORA	Habitat Management	No buildings or structures	---	No buildings or structures
E11b.6.2 (18)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
E15.2 (29)	FORA	Open Space	No buildings or structures	---	No buildings or structures
E20c.2.1 (25)	FORA	Future Housing	No buildings or structures	---	No buildings or structures
E2a (63)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
E4.1.2.1 (10)	FORA	Housing	8726 - 8727	Yes	Yes
			8708	Yes	Yes
			8568 - 8569	Yes	Yes
			8560 - 8562	Yes	Yes
			8555	Yes	Yes
			8529	Yes	Yes
			8515	Yes	Yes
E4.1.2.2 (26)	FORA	Housing	8516 - 8528	Yes	Yes
			8709 - 8717	Yes	Yes
			8727 - 8731	Yes	Yes
			8563 - 8568	Yes	Yes
		Sewage Pump Station	8775	Not Surveyed	Yes
E4.1.2.3 (1)	FORA	Right-of-way, Booker Street	No buildings or structures	---	No buildings or structures
E4.3.1.2 (1)	FORA	Housing	No buildings or structures	---	No buildings or structures
E4.3.2.1 (46)	FORA	Housing	6016 - 6019	Yes	No
			6021 - 6024	Yes	No
			6026 - 6073	Yes	No
			6078 - 6079	Yes	No
		Sewage Pump Station	6143	No	No

Table 1 - Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
E4.6.1 (25)	FORA	Right-of-way, Imjin Road	No buildings or structures	---	No buildings or structures
E4.6.2 (17)	FORA	Right-of-way, Imjin Road	5871	No	Yes
			5871A	Not Surveyed	Yes
E8a.1.1.2 (85)	FORA	Non-irrigated Open Space	4A39	Not Surveyed	Yes
L20.13.5 (7)	FORA	Right-of-way, South Boundary Road	No buildings or structures	---	No buildings or structures
L20.14.1.1 (8)	FORA	Right-of-way, Intergarrison Road	No buildings or structures	---	No buildings or structures
L20.14.2 (3)	FORA	Right-of-way, Intergarrison Road	No buildings or structures	---	No buildings or structures
L20.15 (20)	FORA	Development	No buildings or structures	---	No buildings or structures
L20.6 (247)	Monterey County	Laguna Seca Park	No buildings or structures	---	No buildings or structures
L23.5.1 (15)	Monterey Peninsula College	School	4360 - 4367	4360-4366 Yes (4367 - not surveyed)	Yes
L31 (12)	Veterans Transition Center	Housing	No buildings or structures	---	No buildings or structures
L5.6.1 (23)	FORA	Development/Mixed Use	No buildings or structures	---	No buildings or structures
L5.6.2 (8)	FORA	Marina Park Offices	6009 - 6010	Yes	No
			6014 - 6015	Yes	No
L9.1.1.2 (2)	Veterans Transition Center	Housing	8714 - 8719	Yes	Yes
L9.1.2.2 (2)	Veterans Transition Center	Housing	8732 - 8735	Yes	Yes
S3.1.1 (477)	California Department of Parks and Recreation	State Park	5989	Not Surveyed	Yes
			2066	Yes	Yes
			2076A - 2076I	2076A - B and 2076D - I yes, 2076C no	Yes

Table 1 – Description of Property

Parcel Number (Acreage)	Recipient	Intended Reuse	Facility Number(s)	ACM Present	LBP Present ¹
			2076J – 2076S	Not surveyed	Yes
			TR9070	Yes	No
			2019	No	Yes
			922	No	Yes
			924	No	Yes
			914 - 915	No	Yes
			919	No	Yes
			919A	Not surveyed	Yes
S3.1.2 (468)	California Department of Parks and Recreation	State Park	No buildings or structures	---	No buildings or structures
S3.1.3 (22)	California Department of Parks and Recreation	State Park	1A99	Yes	Yes
S3.1.4 (13)	California Department of Parks and Recreation	State Park	916	No	Yes
S4.1.1 (72)	Caltrans	Right-of-way, Highway 1	No buildings or structures	---	No buildings or structures

¹ The presence or absence of lead-based paint (LBP) is assumed based on the date of construction. If the date of construction is not known, it is assumed that the building contains LBP.

**AMENDMENT #1
to the
FINDING OF SUITABILITY TO TRANSFER
(FOST)
FORMER FORT ORD, CALIFORNIA
TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1 PLUG-IN PARCELS**

October 2005

**AMENDMENT #1
FINDING OF SUITABILITY TO TRANSFER (FOST)
FORMER FORT ORD, CALIFORNIA
TRACK 0 PLUG-IN C, TRACK 1 AND TRACK 1 PLUG-IN PARCELS**

1.0 PURPOSE

The purpose of this Amendment is to modify Section 2 Subparagraph A (2) (LAND USE RESTRICTIONS, Groundwater Restriction) and Section 6 (NOTICE OF THE PRESENCE OF CONTAMINATED GROUNDWATER) of the Environmental Protection Provisions (EPP, Attachment 5 of the FOST) to reflect which notice of the presence of contaminated groundwater is required for the parcels referred to in the EPP's table of Applicable Notices. More specifically this amendment will clarify which parcels of property are within particular "Groundwater Protection Zones" and therefore require a specific notice to be included in the deeds for those parcels.

2.0 BACKGROUND

Because of concerns about the extent of future development at the former Fort Ord, its potential impact on groundwater remedial activities, and protection of public health and the environment, Monterey County promulgated an ordinance in 1999 that established a "Special Groundwater Protection Zone" at the former Fort Ord. Within this zone, property recipients are restricted from drilling new water wells. The Special Groundwater Protection Zone is divided into the "Prohibition Zone," where construction of water wells is prohibited, and the "Consultation Zone," where the County evaluates water well permit applications on a case-by-case basis in consultation with the Army, U.S. EPA Region IX, California Department of Toxic Substances Control (DTSC) and the California Regional Water Quality Control Board (RWQCB). Additionally, the DTSC has required for previous FOSTs the Army to be party to a Covenant to Restrict Use of Property Covenant (CRUP) for each group of properties being transferred that were located within the Special Groundwater Protection Zone.

During development of this FOST, the DTSC determined it only had regulatory authority to enforce CRUPs on property within the Prohibition Zone, but not the Consultation Zone. The Army revised the list of parcels requiring a CRUP accordingly; however, after the FOST was finalized, the Army determined the table of Applicable Notices in the EPP still indicated all parcels within the Special Groundwater Protection Zone required the Notice of Contaminated Groundwater, which describes all such parcels as being included in a CRUP. As a result, the Notice of Contaminated Groundwater was inappropriately included in the draft deeds for property within the Consultation Zone based on the information in the table of Applicable Notices.

OCT 19 2005

3.0 REGULATORY/PUBLIC COMMENT

A copy of this FOST Amendment will be distributed to the US EPA Region IX, the DTSC and the RWQCB. The Army will include this FOST Amendment as part of its Administrative Record for the former Fort Ord, California.

4.0 FINDING OF SUITABILITY TO TRANSFER

Based on the above information, I have concluded that all DOD requirements to reach a Finding of Suitability to Transfer have been fully met for the Property, subject to the terms and conditions set forth in the Environmental Protection Provisions, as modified (Attachment 5).



OCT 19 2005

Thomas E. Lederle
Director, Hampton Field Office
Army BRAC

Enclosure
Attachment 5, Environmental Protection Provisions Sections 2 and 6 as amended.

ATTACHMENT 5

ENVIRONMENTAL PROTECTION PROVISIONS

2. LAND USE RESTRICTIONS

A. The United States Department of the Army (Army) has undertaken careful environmental study of the Property and concluded that the land use restrictions set forth below are required to ensure protection of human health and the environment. The Grantee, its successors or assigns, shall not undertake nor allow any activity on or use of the property that would violate the land use restrictions contained herein.

2) **Groundwater Restriction.** As described in the NOTICE OF THE PRESENCE OF CONTAMINATED GROUNDWATER, the Grantee is hereby informed and acknowledges that the groundwater under portions of the Property and associated with the Sites 2 and 12 (Sites 2/12) groundwater plume and the Operable Unit 2 (OU2) groundwater plume is contaminated with volatile organic compounds (VOCs), primarily trichloroethene (TCE). In accordance with the provisions of Section 6 of the Environmental Protection Provisions, the Grantee, its successors and assigns shall not access or use groundwater underlying the Property for any purpose. For the purpose of this restriction, "groundwater" shall have the same meaning as in section 101(12) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

6. NOTICE OF THE PRESENCE OF CONTAMINATED GROUNDWATER

For Parcels E2a, E4.1.2.1, E4.1.2.2, E4.1.2.3, E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1, L5.6.2, L9.1.1.2, L9.1.2.2, S3.1.1 and S4.1.1:

A. The groundwater beneath portions of the Property is contaminated with volatile organic compounds (VOCs), primarily trichloroethene (TCE). The most recent data available (Annual Report of Quarterly Monitoring, October 2003 through September 2004) indicates that:

- 1) Parcel S4.1.1 overlies the Sites 2/12 groundwater plume where the concentration of TCE in groundwater equals or exceeds 5.0 micrograms per liter ($\mu\text{g/L}$). For the Sites 2/12 groundwater plume area the maximum TCE concentration in the groundwater beneath the Property (Parcel S4.1.1) is between 5.0 $\mu\text{g/L}$ and 10 $\mu\text{g/L}$ and depth to groundwater is 68 to 75 feet below ground surface.
- 2) Parcels E4.3.1.2, E4.3.2.1, E4.6.1, E4.6.2, E8a.1.1.2, L5.6.1 and L5.6.2 overlie the OU2 groundwater plume where the concentration of TCE in groundwater exceeds 5.0 $\mu\text{g/L}$. For the OU2 groundwater plume area the maximum TCE concentration in the groundwater beneath the Property (Parcel E4.3.1.2) is 26 $\mu\text{g/L}$ as measured in groundwater extraction well EW-OU2-12A and depth to groundwater is 125 to 175 feet below ground surface.

B. The maximum concentrations of the chemicals of concern (associated with the OU2 and Sites 2/12 groundwater plumes) detected in the groundwater monitoring or extraction wells on the Property (September 2004) are listed below. The quantity released of these compounds is unknown. The OU2 and Sites 2/12 groundwater aquifer cleanup levels (ACLs), presented in the OU2 Fort Ord Landfills Record of Decision (ROD) (July 1994) and Basewide Remedial Investigation Sites ROD (January 1997), are provided for comparison.

**Chemicals of Concern in Groundwater and Aquifer Cleanup Levels
(OU2 and Sites 2/12 Plumes)**

Chemical Name	Regulatory Synonym	CASRN*	RCRA Waste Number	Parcel	Well (EW-OU2)	Maximum Concentrations (µg/L)	ACL (µg/L)
Benzene	Benzol	71432	U019	E4.3.1.2	-10-A	0.3	1.0
Carbon Tetrachloride	Methane, tetrachloro-	56235	U211			ND	0.5
Chloroform	Methane, trichloro-	67663	U044	E4.3.1.2	-12-A	2.3	2.0
1,1-Dichloroethane	Ethane, 1,1-dichloro-	75343	U076	E4.3.1.2	-10-A	6.9	5.0
1,2-Dichloroethane	Ethane, 1,2-dichloro-	107062	U077	E4.3.1.2	-10-A	1.5	0.5
1,1-Dichloroethene	Ethene, 1,1-dichloro-	75354	U078			ND	6.0
Cis-1,2-Dichloroethene	Ethene, 1,2-dichloro(E)	156605	U079	E4.3.1.2	-10-A	8.9	6.0
1,2-Dichloropropane	Propane, 1,2-dichloro-	78875	U083	E4.3.1.2	-12-A	1.3	1.0
Total 1,3-Dichloropropene	Propene, 1,3-dichloro-	542756	--			ND	0.5
Methylene Chloride	Methane, dichloro-	75092	U080			ND	5.0
Tetrachloroethene	Ethene, tetrachloro-	127184	U210	E4.3.1.2	-10-A	5.4	3.0
Trichloroethene	Ethene, trichloro-	79016	U228	E4.3.1.2	-12-A	26	5.0
Vinyl chloride	Ethene, chloro-	75014	U043	E4.3.1.2	-10-A	0.7	0.1

*Chemical Abstract Services Registry Number

C. Restrictions and Conditions

- 1) The property is within the "Prohibition Zone" of the "Special Groundwater Protection Zone." A Covenant to Restrict the Use of Property (CRUP) for the property will be established between the United States Army and the State of California (DTSC and the California Regional Water Quality Control Board, Central Coast Region). The Prohibition Zone encompasses the area overlying or adjacent to the four identified groundwater contamination plumes at the former Fort Ord. The Prohibition Zone is identified on the "Former Fort Ord Special Groundwater Protection Zone Map" (the Map), which is on file with the County of Monterey (the County). County Ordinance No. 04011 prohibits the construction of water wells within the Prohibition Zone.

- 2) The Grantee covenants for itself, its successors, and assigns not to access or use groundwater underlying the Property for any purpose. For the purpose of this restriction, "groundwater" shall have the same meaning as in section 101(12) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
- 3) The Grantee covenants for itself, its successors, and assigns that neither the Grantee, its successors or assigns, nor any other person or entity acting for or on behalf of the Grantee, its successors or assigns, shall interfere with any response action being taken on the Property by or on behalf of the Grantor, or interrupt, relocate, or otherwise interfere or tamper with any remediation system or monitoring wells now or in the future located on, over, through, or across any portion of the Property without the expressed written consent of the Grantor in each case first obtained.
- 4) The Grantee covenants for itself, its successors, or assigns, that it will not undertake nor allow any activity on or use of the Property that would violate the restrictions contained herein. These restrictions and covenants are binding on the Grantee, its successors and assigns; shall run with the land; and are forever enforceable.

For Parcels E11a, E11b.6.2, E15.2, E20c.2.1, L20.14.1.1, L20.14.2, L20.15, S3.1.2, S3.1.3, and S3.1.4:

- A. The Property is within the "Consultation Zone" of the "Special Groundwater Protection Zone." The Consultation Zone includes areas surrounding the "Prohibition Zone" where groundwater extraction may impact or be impacted by the four identified groundwater contamination plumes at the former Fort Ord. The Consultation Zone is also identified on the "Former Fort Ord Special Groundwater Protection Zone Map," which is on file with the County of Monterey (the County). County Ordinance No. 04011 requires consultation with the Grantor, the US EPA, the DTSC, the RWQCB and the County for proposed water well construction within the Consultation Zone.
- B. The Grantee covenants for itself, its successors, and assigns not to access or use groundwater underlying the Property for any purpose without the prior written approval of the Grantor, the US EPA, the DTSC, the RWQCB and the County. For the purpose of this restriction, "groundwater" shall have the same meaning as in section 101(12) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
- C. The Grantee covenants for itself, its successors, and assigns that neither the Grantee, its successors or assigns, nor any other person or entity acting for or on behalf of the Grantee, its successors or assigns, shall interfere with any response action being taken on the Property by or on behalf of the Grantor, or interrupt, relocate, or otherwise interfere or tamper with any remediation system or monitoring wells now or in the future located on, over, through, or across any portion of the Property without the expressed written consent of the Grantor in each case first obtained.
- D. The Grantee covenants for itself, its successors, or assigns, that it will not undertake nor allow any activity on or use of the Property that would violate the restrictions contained

herein. These restrictions and covenants are binding on the Grantee, its successors and assigns; shall run with the land; and are forever enforceable

END OF DOCUMENT

END OF DOCUMENT

ACTIVITY AND USE LIMITATIONS (AULS) EXHIBITS

Appendix D Radius Report

Appendix E Radius Report

Not Reported

Not Reported

Seaside, CA 93955

Inquiry Number: 7299418.2s

April 05, 2023

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
SEASIDE, CA 93955

COORDINATES

Latitude (North): 36.6447610 - 36° 38' 41.13"
Longitude (West): 121.8141010 - 121° 48' 50.76"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 606010.2
UTM Y (Meters): 4055918.2
Elevation: 173 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12021485 MARINA, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140613
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 NOT REPORTED
 SEASIDE, CA 93955

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	FORT ORD	FORMER ARMY BASE FOR	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG, US ENG..	Same	1 ft.
1	MISSION MEMORIAL PAR	3301 MONTEREY BLDG 4	CUPA Listings	Higher	1081, 0.205, SSE
2	6 ARMY RD.,(1800 GAL	100 CALIFORNIA (900	Notify 65	Higher	1424, 0.270, South
3	FORT ORD STATE PARK-	INTERSECTION OF HWY	ENVIROSTOR, DEED	Lower	3482, 0.659, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA generators

RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF..... Solid Waste Information System

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LUST..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties
INDIAN VCP..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
CERS HAZ WASTE..... CERS HAZ WASTE
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing
HIST UST..... Hazardous Substance Storage Container Database
CA FID UST..... Facility Inventory Database

EXECUTIVE SUMMARY

CERS TANKS..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
FUELS PROGRAM..... EPA Fuels Program Registered Listing

EXECUTIVE SUMMARY

PFAS FEDERAL SITES.....	Federal Sites PFAS Information
PFAS TSCA.....	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST.....	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR.....	PFAS Contamination Site Location Listing
PFAS WQP.....	Ambient Environmental Sampling for PFAS
PFAS NPDES.....	Clean Water Act Discharge Monitoring Information
PFAS ECHO.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING.....	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT.....	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC.....	Aqueous Foam Related Incidents Listing
PFAS.....	PFAS Contamination Site Location Listing
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
DRYCLEANERS.....	Cleaner Facilities
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
HAZNET.....	Facility and Manifest Data
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)
HWTS.....	Hazardous Waste Tracking System
PFAS TRIS.....	List of PFAS Added to the TRI
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations

EXECUTIVE SUMMARY

EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF..... Recovered Government Archive Solid Waste Facilities List

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD Cerclis ID:: 902783 EPA Id: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 SEMS

EXECUTIVE SUMMARY

site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD Site ID: 0902783 EPA Id: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 03/06/2023 has revealed that there is 1

EXECUTIVE SUMMARY

RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676 EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD STATE PARK-	INTERSECTION OF HWY	NW 1/2 - 1 (0.659 mi.)	3	127

EXECUTIVE SUMMARY

Facility Id: 80001207
Status: Active

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 01/25/2023 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD EPA ID:: CA7210020676	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

PFAS NPL: EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

A review of the PFAS NPL list, as provided by EDR, and dated 02/23/2022 has revealed that there is 1 PFAS NPL site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORT ORD	FORMER ARMY BASE FOR	0 - 1/8 (0.000 mi.)	0	9

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MISSION MEMORIAL PAR Database: CUPA MONTEREY, Date of Government Version: 10/04/2021	3301 MONTEREY BLDG 4	SSE 1/8 - 1/4 (0.205 mi.)	1	126

Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the Notify 65 list, as provided by EDR, and dated 12/07/2022 has revealed that there is 1

EXECUTIVE SUMMARY

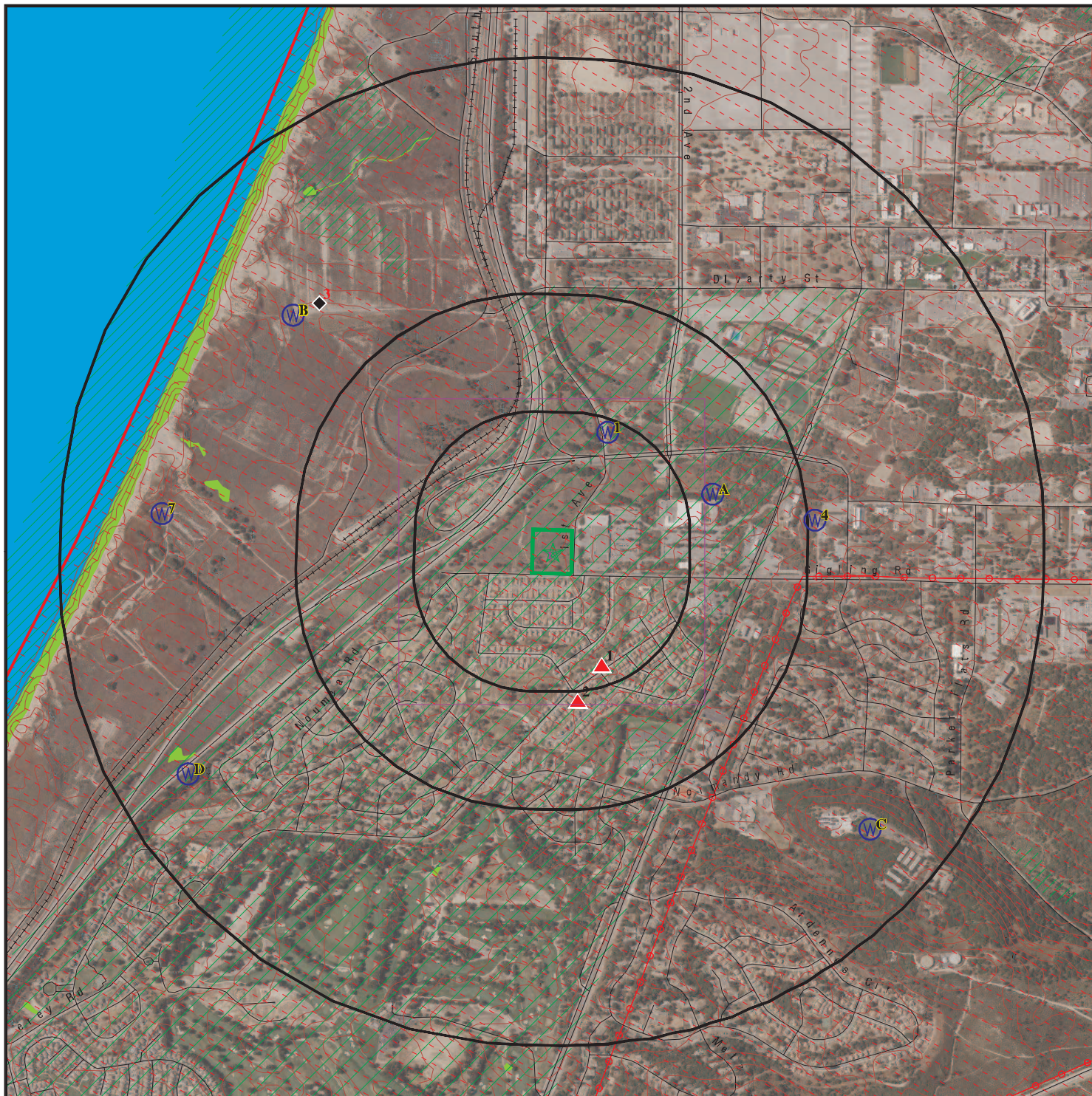
Notify 65 site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
6 ARMY RD.,(1800 GAL	100 CALIFORNIA (900	S 1/4 - 1/2 (0.270 mi.)	2	127


EXECUTIVE SUMMARY


There were no unmapped sites in this report.

OVERVIEW MAP - 7299418.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Power transmission lines

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

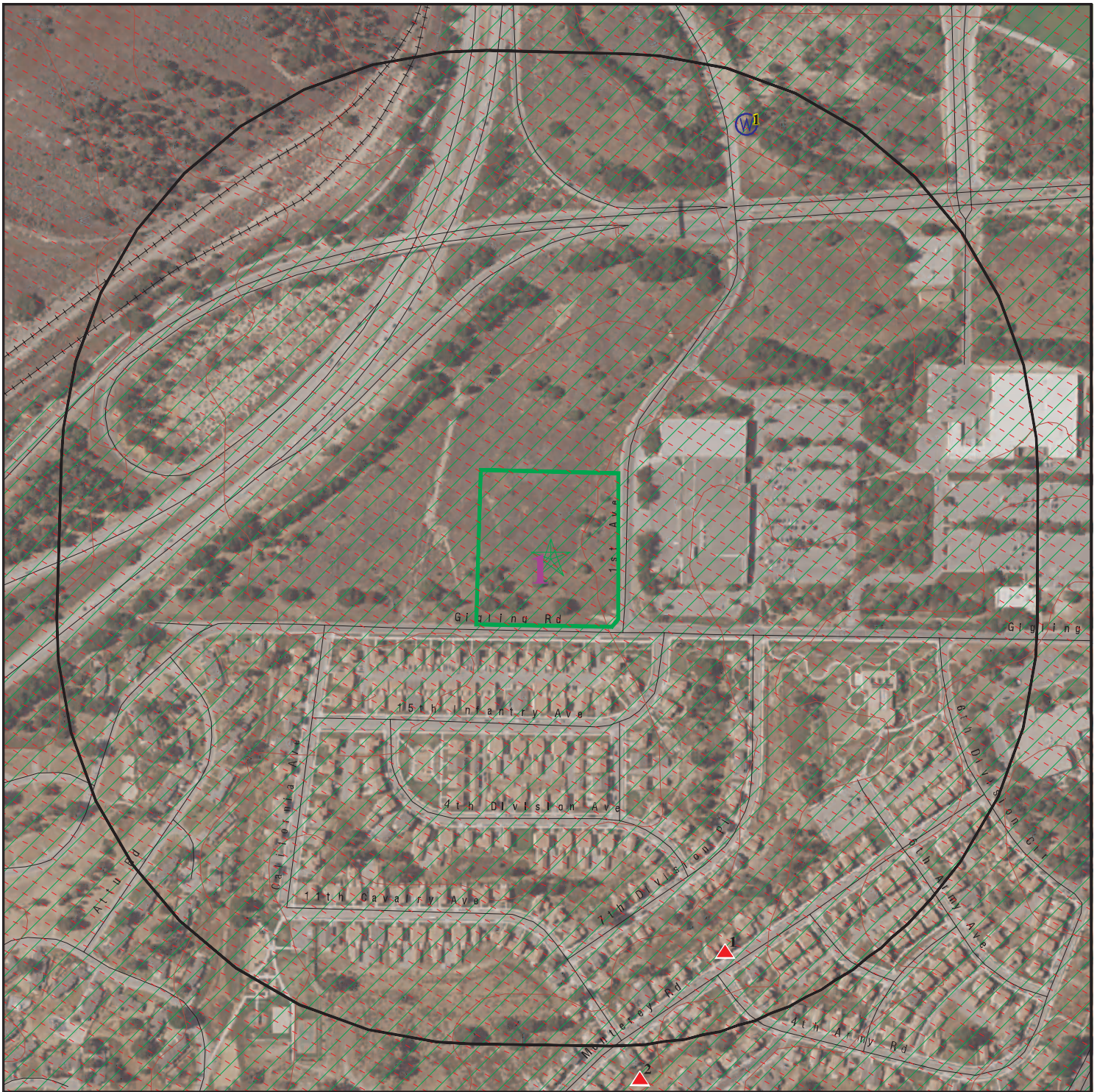
 Areas of Concern








This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.





SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside CA 93955
 LAT/LONG: 36.644761 / 121.814101

CLIENT: Kimley Horn & Associates, Inc.
 CONTACT: Kiana Graham
 INQUIRY #: 7299418.2s
 DATE: April 05, 2023 9:47 am

DETAIL MAP - 7299418.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside CA 93955
 LAT/LONG: 36.644761 / 121.814101

CLIENT: Kimley Horn & Associates, Inc.
 CONTACT: Kiana Graham
 INQUIRY #: 7299418.2s
 DATE: April 05, 2023 9:49 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Lists of Federal NPL (Superfund) sites</i>								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Lists of Federal Delisted NPL sites</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		1	0	0	NR	NR	1
<i>Lists of Federal CERCLA sites with NFRAP</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Lists of Federal RCRA facilities undergoing Corrective Action</i>								
CORRACTS	1.000		1	0	0	0	NR	1
<i>Lists of Federal RCRA TSD facilities</i>								
RCRA-TSDF	0.500		1	0	0	NR	NR	1
<i>Lists of Federal RCRA generators</i>								
RCRA-LQG	0.250		1	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROLS	0.500		1	0	0	NR	NR	1
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>Lists of state- and tribal (Superfund) equivalent sites</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>Lists of state- and tribal hazardous waste facilities</i>								
ENVIROSTOR	1.000		0	0	0	1	NR	1
<i>Lists of state and tribal landfills and solid waste disposal facilities</i>								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<i>Lists of state and tribal leaking storage tanks</i>								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal registered storage tanks</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>Lists of state and tribal voluntary cleanup sites</i>								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
<i>Lists of state and tribal brownfield sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		1	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		1	0	NR	NR	NR	1
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	1	0	NR	1
HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	9	1	1	1	0	12

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NPL
Region
 < 1/8
 1 ft.

FORT ORD
FORMER ARMY BASE FORT ORD
MARINA, CA 93933

NPL 1000393341
SEMS CA7210020676
CORRACTS
RCRA-TSDF
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
ROD
PRP
PFAS NPL

NPL:
 EPA Region: 9
 EPA ID: CA7210020676
 Site ID: 902783
 Name: FORT ORD
 Address: FORMER ARMY BASE FORT ORD
 City,State,Zip: MARINA, CA 93933
 Federal: Y
 Final Date: 1990-02-21 00:00:00
 Latitude: 36.625
 Longitude: -121.75
 Site Score: 42.240000000000002
 NAI: Not reported
 Native American Entity: Not reported

Substance as of 08/2019:
 NPL Status: Currently on the Final NPL
 Substance ID: Not reported
 CAS Number: Not reported
 Substance: Not reported
 Pathway: Not reported
 Scoring: Not reported

NPL Status: Currently on the Final NPL
 Substance ID: U210
 CAS Number: 127-18-4
 Substance: TETRACHLOROETHENE
 Pathway: GROUND WATER PATHWAY
 Scoring: 2

NPL Status: Currently on the Final NPL
 Substance ID: U211
 CAS Number: 56-23-5
 Substance: CARBON TETRACHLORIDE
 Pathway: GROUND WATER PATHWAY
 Scoring: 4

NPL Status: Currently on the Final NPL
 Substance ID: U226
 CAS Number: 71-55-6
 Substance: TRICHLOROETHANE, 1,1,1-
 Pathway: GROUND WATER PATHWAY
 Scoring: 2

NPL Status: Currently on the Final NPL
 Substance ID: U228
 CAS Number: 79-01-6
 Substance: TRICHLOROETHYLENE (TCE)
 Pathway: GROUND WATER PATHWAY

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

Scoring: 2

Summary Details:

Conditions at proposal July 14, 1989): Fort Ord covers 46 square miles on Monterey Bay approximately 5.6 miles north of Monterey, Monterey County, California. The installation is bordered by the City of Marina and the Salinas River to the north, El Toro Creek to the east, Seaside and Del Rey Oaks to the south, and Monterey Bay to the west. Fort Ord was established in 1917 as a maneuver area and field artillery target range for units then stationed at the Presidio of Monterey. Its primary mission now is training. Industrial operations at Fort Ord include vehicle maintenance areas, a battery charging/repair facility, photographic processing laboratories, spray painting operations, a plastics shop, laundry/dry cleaning facilities, vehicle wash racks, and a small arms repair shop. Chemicals and hazardous wastes were managed and disposed of at Fort Ord. According to tests conducted by the Army in 1986, elevated levels of contaminants were detected in off-base ground water. The contamination is emanating from the base and may be contaminating the drinking water supplies of the City of Marina; however, the exact location of the source has not yet been identified. The contaminants include carbon tetrachloride, tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, and trans-1,2-dichloroethylene. An estimated 38,600 people obtain drinking water from wells within 3 miles of hazardous substances on the fort. Ground water is also used for irrigation. In addition, soil and ground water are contaminated at the Fire Drill Area, where approximately 600 gallons of petroleum products have been spilled. Fort Ord has identified at least 18 other contamination problems. Fort Ord is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP, the Army is implementing a sampling plan to investigate ground water contamination. The Army is treating contaminated soil and ground water at nearby Fritsche Army Airfield Fire Drill Area. Status February 21, 1990): IRP activities continue.

Category as of 08/2019:

NPL Status: Currently on the Final NPL
 Category Description: Depth To Aquifer-> 50 And <= 100 Feet
 Category Value: 80

NPL Status: Currently on the Final NPL
 Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
 Category Value: 10

Narratives as of 08/2019:

NPL Name: FORT ORD

Site as of 08/2019:

EPA Region: 09
 Site ID: 0902783
 Site Status: F
 Federal Site: Y
 Date Deleted: Not reported
 Date Finalized: 02/21/90
 Date Proposed: 07/14/89

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Status as of 08/2019:

Proposed Date: 07/14/1989
Final Date: 02/21/1990
Deleted Date: Not reported
NPL Status: Final

Narr:

Site Name: Fort Ord
Site EPA ID: CA7210020676
Listing Date: 2/21/1990
Site Score: 42.24
Federal Facility Indicator: Yes
Site List URL: <https://semspub.epa.gov/src/document/09/2400150>
Site Progress URL: <https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902783>
Federal Register URL: <https://semspub.epa.gov/src/document/11/189635>
Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List_NPL_Sites_with_Status_Information_7557,SITE_EPA_ID=%27CA7210020676%27

SEMS:

Site ID: 0902783
EPA ID: CA7210020676
Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
Cong District: 17,20
FIPS Code: 06053
Latitude: +36.625000
Longitude: -121.750000
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1990-02-21 05:00:00
Finish Date: 1990-02-21 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

FF: Y
OU: 00
Action Code: AR
Action Name: ADMIN REC
SEQ: 1
Start Date: 2000-10-24 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1989-07-14 04:00:00
Finish Date: 1989-07-14 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TV
Action Name: Partial Del
SEQ: 1
Start Date: 2020-11-20 06:00:00
Finish Date: 2020-11-20 06:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: CR
Action Name: CI
SEQ: 1
Start Date: 2020-11-23 06:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: GR
Action Name: PART DEL
SEQ: 2
Start Date: 2021-05-14 04:00:00
Finish Date: 2021-05-14 04:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 7
Start Date: 1995-07-10 04:00:00
Finish Date: 1996-09-19 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: LX
Action Name: FF RD
SEQ: 2
Start Date: 1994-09-15 04:00:00
Finish Date: 1995-10-25 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 1
Start Date: 1996-10-01 04:00:00
Finish Date: 2002-08-16 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: LX
Action Name: FF RD
SEQ: 4
Start Date: 1995-09-29 04:00:00
Finish Date: 1995-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1986-03-01 05:00:00
Finish Date: 1986-04-01 05:00:00
Qual: L
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 11
Start Date: 1998-05-08 04:00:00
Finish Date: 1998-05-08 04:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 12
Start Date: 1997-09-01 04:00:00
Finish Date: 2008-08-26 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LY
Action Name: FF RA
SEQ: 30
Start Date: 1998-05-05 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LX
Action Name: FF RD
SEQ: 13
Start Date: 2008-05-15 04:00:00
Finish Date: 2008-12-10 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 31
Start Date: 2008-12-10 05:00:00
Finish Date: 2011-09-08 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: LX
Action Name: FF RD
SEQ: 3
Start Date: 1994-09-15 04:00:00
Finish Date: 1996-03-07 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LV
Action Name: FF RV
SEQ: 10
Start Date: 1994-07-19 04:00:00
Finish Date: 1994-11-10 05:00:00
Qual: P
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 2
Start Date: 2003-08-15 04:00:00
Finish Date: 2010-01-14 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 03
Action Code: LX
Action Name: FF RD
SEQ: 8
Start Date: 1997-01-17 05:00:00
Finish Date: 1997-06-03 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 08
Action Code: RO
Action Name: ROD
SEQ: 9
Start Date: 2005-04-06 04:00:00
Finish Date: 2005-04-06 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LW
Action Name: FF RI/FS
SEQ: 9
Start Date: 2000-04-11 04:00:00
Finish Date: 2008-08-26 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LW
Action Name: FF RI/FS
SEQ: 10
Start Date: 2005-06-03 04:00:00
Finish Date: 2008-05-15 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: RO
Action Name: ROD
SEQ: 11
Start Date: 2008-05-15 04:00:00
Finish Date: 2008-05-15 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 35
Start Date: 1997-07-18 04:00:00
Finish Date: 2005-03-16 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 2
Start Date: 1995-06-19 04:00:00
Finish Date: 1996-03-07 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 9
Start Date: 1995-07-26 04:00:00
Finish Date: 1997-04-14 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 15
Start Date: 1996-07-01 04:00:00
Finish Date: 1997-01-31 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 1
Start Date: 1994-09-02 04:00:00
Finish Date: 1997-04-14 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LX
Action Name: FF RD
SEQ: 10
Start Date: 1997-02-01 05:00:00
Finish Date: 1997-03-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LX
Action Name: FF RD
SEQ: 11
Start Date: 1997-02-01 05:00:00
Finish Date: 1997-03-05 05:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LX
Action Name: FF RD
SEQ: 12
Start Date: 1997-02-01 05:00:00
Finish Date: 1997-03-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LY
Action Name: FF RA
SEQ: 23
Start Date: 1998-05-05 04:00:00
Finish Date: 2002-09-27 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LY
Action Name: FF RA
SEQ: 24
Start Date: 1997-03-03 05:00:00
Finish Date: 1999-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LY
Action Name: FF RA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 25
Start Date: 1997-03-06 05:00:00
Finish Date: 1999-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F

FF: Y
OU: 03
Action Code: LY
Action Name: FF RA
SEQ: 27
Start Date: 1999-04-01 05:00:00
Finish Date: 2014-10-09 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LY
Action Name: FF RA
SEQ: 26
Start Date: 1998-05-14 04:00:00
Finish Date: 1999-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 05
Action Code: LW
Action Name: FF RI/FS
SEQ: 1
Start Date: 1990-07-23 04:00:00
Finish Date: 1995-04-13 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 03
Action Code: LW
Action Name: FF RI/FS
SEQ: 6
Start Date: 1990-07-23 04:00:00
Finish Date: 1997-01-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LX
Action Name: FF RD
SEQ: 9
Start Date: 1997-02-01 05:00:00
Finish Date: 1997-03-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 08
Action Code: LW
Action Name: FF RI/FS
SEQ: 8
Start Date: 2000-04-11 04:00:00
Finish Date: 2005-04-06 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 07
Action Code: LW
Action Name: FF RI/FS
SEQ: 7
Start Date: 2000-04-11 04:00:00
Finish Date: 2002-07-02 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 07
Action Code: RO
Action Name: ROD
SEQ: 8
Start Date: 2002-07-02 04:00:00
Finish Date: 2002-07-02 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: LW
Action Name: FF RI/FS
SEQ: 2
Start Date: 1990-07-23 04:00:00
Finish Date: 1994-08-23 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: LW
Action Name: FF RI/FS
SEQ: 3
Start Date: 1990-07-23 04:00:00
Finish Date: 1995-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 5
Start Date: 1995-06-26 04:00:00
Finish Date: 1998-04-06 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LX
Action Name: FF RD
SEQ: 1
Start Date: 1994-05-17 04:00:00
Finish Date: 1994-12-20 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 6
Start Date: 1995-07-05 04:00:00
Finish Date: 1997-07-28 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 06
Action Code: RO
Action Name: ROD
SEQ: 6
Start Date: 1997-01-17 05:00:00
Finish Date: 1997-01-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 13
Start Date: 2001-10-26 04:00:00
Finish Date: 2003-10-24 04:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 21
Start Date: 1997-04-27 04:00:00
Finish Date: 1998-03-18 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 20
Start Date: 1997-05-20 04:00:00
Finish Date: 1997-07-23 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LV
Action Name: FF RV
SEQ: 9
Start Date: 1994-07-13 04:00:00
Finish Date: 1994-10-24 04:00:00
Qual: P
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 19
Start Date: 1997-03-02 05:00:00
Finish Date: 1997-07-22 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 16

Start Date: 1995-04-11 04:00:00
Finish Date: 1997-01-31 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 22

Start Date: 1996-02-20 05:00:00
Finish Date: 1998-01-13 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 4

Start Date: 1995-09-29 04:00:00
Finish Date: 1995-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 3
Start Date: 1995-06-21 04:00:00
Finish Date: 1996-09-19 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 8
Start Date: 1994-05-20 04:00:00
Finish Date: 2008-08-26 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 06
Action Code: LY
Action Name: FF RA
SEQ: 17
Start Date: 1997-05-31 04:00:00
Finish Date: 2000-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 10
Start Date: 1995-08-01 04:00:00
Finish Date: 1997-04-09 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 4
Start Date: 1995-06-26 04:00:00
Finish Date: 1997-04-14 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: LY
Action Name: FF RA
SEQ: 12
Start Date: 1994-08-23 04:00:00
Finish Date: 2002-09-27 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: LY
Action Name: FF RA
SEQ: 13
Start Date: 1997-05-17 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 32
Start Date: 1997-11-10 05:00:00
Finish Date: 2002-02-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 33
Start Date: 1995-06-01 04:00:00
Finish Date: 2002-02-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 14
Start Date: 2001-12-14 05:00:00
Finish Date: 2008-08-28 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LV
Action Name: FF RV
SEQ: 15
Start Date: 2002-01-23 05:00:00
Finish Date: 2008-05-15 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual: H
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LY
Action Name: FF RA
SEQ: 8
Start Date: 1995-07-10 04:00:00
Finish Date: 1996-03-07 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: LW
Action Name: FF RI/FS
SEQ: 5
Start Date: 1993-11-04 05:00:00
Finish Date: 1994-03-15 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: LY
Action Name: FF RA
SEQ: 11
Start Date: 1995-09-29 04:00:00
Finish Date: 2011-09-08 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LY
Action Name: FF RA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 37
Start Date: 2006-10-19 04:00:00
Finish Date: 2010-09-16 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 05
Action Code: RO
Action Name: ROD
SEQ: 3
Start Date: 1995-04-13 04:00:00
Finish Date: 1995-04-13 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 06
Action Code: LX
Action Name: FF RD
SEQ: 6
Start Date: 1997-02-01 05:00:00
Finish Date: 1997-06-09 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: LW
Action Name: FF RI/FS
SEQ: 4
Start Date: 1990-07-23 04:00:00
Finish Date: 1997-01-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 11
Action Code: LX
Action Name: FF RD
SEQ: 14
Start Date: 2008-02-06 05:00:00
Finish Date: 2008-08-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 11
Action Code: LY
Action Name: FF RA
SEQ: 36
Start Date: 2008-08-01 05:00:00
Finish Date: 2013-09-03 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LX
Action Name: FF RD
SEQ: 15
Start Date: 2006-07-01 04:00:00
Finish Date: 2006-08-08 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 04
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1994-03-15 05:00:00
Finish Date: 1994-03-15 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 1994-08-23 04:00:00
Finish Date: 1994-08-23 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: LZ
Action Name: FF CR
SEQ: 1
Start Date: 1998-03-18 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 03
Action Code: RO
Action Name: ROD
SEQ: 5
Start Date: 1997-01-17 05:00:00
Finish Date: 1997-01-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1980-11-01 05:00:00
Finish Date: 1980-11-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: RO
Action Name: ROD
SEQ: 13
Start Date: 2002-09-20 04:00:00
Finish Date: 2002-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LW
Action Name: FF RI/FS
SEQ: 11
Start Date: 2000-04-11 04:00:00
Finish Date: 2002-09-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 11
Action Code: LW
Action Name: FF RI/FS
SEQ: 12
Start Date: 2002-07-29 04:00:00
Finish Date: 2006-05-01 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 11
Action Code: RO
Action Name: ROD
SEQ: 14
Start Date: 2008-02-06 05:00:00
Finish Date: 2008-02-06 05:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	09
Action Code:	LV
Action Name:	FF RV
SEQ:	16
Start Date:	2003-12-01 05:00:00
Finish Date:	2003-12-01 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	09
Action Code:	LY
Action Name:	FF RA
SEQ:	34
Start Date:	2003-10-24 04:00:00
Finish Date:	2007-02-12 05:00:00
Qual:	IR
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	09
Action Code:	LV
Action Name:	FF RV
SEQ:	17
Start Date:	2004-02-06 05:00:00
Finish Date:	2004-05-04 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	03
Action Code:	OM
Action Name:	OM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 3
Start Date: 2002-09-27 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 02
Action Code: OM
Action Name: OM
SEQ: 1

Start Date: 2002-09-27 04:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: OM
Action Name: OM
SEQ: 2

Start Date: 2011-09-08 04:00:00
Finish Date: 2017-02-21 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: RO
Action Name: ROD
SEQ: 17

Start Date: 2018-09-21 05:00:00
Finish Date: 2018-09-21 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 09
Action Code: RO
Action Name: ROD
SEQ: 15
Start Date: 2008-11-21 05:00:00
Finish Date: 2008-11-21 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LW
Action Name: FF RI/FS
SEQ: 13
Start Date: 2007-03-27 04:00:00
Finish Date: 2008-11-21 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LX
Action Name: FF RD
SEQ: 17
Start Date: 2009-02-27 05:00:00
Finish Date: 2009-07-09 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: RO
Action Name: ROD
SEQ: 19
Start Date: 2009-04-30 04:00:00
Finish Date: 2014-11-25 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: RO
Action Name: ROD
SEQ: 20
Start Date: 2017-10-31 04:00:00
Finish Date: 2018-09-21 05:00:00
Qual: R
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LX
Action Name: FF RD
SEQ: 18
Start Date: 2010-04-28 04:00:00
Finish Date: 2010-08-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LY
Action Name: FF RA
SEQ: 39
Start Date: 2010-04-28 04:00:00
Finish Date: 2010-08-20 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: RO
Action Name: ROD
SEQ: 16
Start Date: 2008-08-26 05:00:00
Finish Date: 2008-08-26 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LY
Action Name: FF RA
SEQ: 38
Start Date: 2008-11-25 05:00:00
Finish Date: 2009-07-27 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: RO
Action Name: ROD
SEQ: 18
Start Date: 2008-08-01 05:00:00
Finish Date: 2015-02-26 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LX
Action Name: FF RD
SEQ: 16
Start Date: 2008-11-25 05:00:00
Finish Date: 2009-07-27 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 3
Start Date: 2007-11-01 04:00:00
Finish Date: 2007-12-21 05:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	00
Action Code:	TG
Action Name:	TA GRANT
SEQ:	4
Start Date:	2010-07-01 05:00:00
Finish Date:	2012-06-25 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	10
Action Code:	LY
Action Name:	FF RA
SEQ:	44
Start Date:	2009-10-06 04:00:00
Finish Date:	2012-08-15 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	10
Action Code:	LX
Action Name:	FF RD
SEQ:	19
Start Date:	2010-02-11 05:00:00
Finish Date:	2010-07-31 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902783
EPA ID:	CA7210020676
Site Name:	FORT ORD
NPL:	F
FF:	Y
OU:	10
Action Code:	LY
Action Name:	FF RA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 45
Start Date: 2010-10-07 04:00:00
Finish Date: 2013-09-05 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F

FF: Y
OU: 00
Action Code: TG
Action Name: TA GRANT
SEQ: 5
Start Date: 2013-02-19 05:00:00
Finish Date: 2016-06-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: RO
Action Name: ROD
SEQ: 21
Start Date: 2017-01-18 05:00:00
Finish Date: 2017-01-18 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 47
Start Date: 2011-10-06 04:00:00
Finish Date: 2014-09-17 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 48
Start Date: 2013-03-04 05:00:00
Finish Date: 2015-09-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TA
Action Name: TECH ASSIST
SEQ: 2
Start Date: 2013-02-19 05:00:00
Finish Date: 2016-06-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TA
Action Name: TECH ASSIST
SEQ: 1
Start Date: 2013-03-20 04:00:00
Finish Date: 2016-06-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TA
Action Name: TECH ASSIST
SEQ: 3
Start Date: 2013-03-20 04:00:00
Finish Date: 2016-06-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 00
Action Code: TA
Action Name: TECH ASSIST
SEQ: 5
Start Date: 2017-10-03 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LW
Action Name: FF RI/FS
SEQ: 19
Start Date: 2013-04-23 04:00:00
Finish Date: 2017-03-29 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: RO
Action Name: ROD
SEQ: 22
Start Date: 2017-03-29 05:00:00
Finish Date: 2017-03-29 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 49
Start Date: 2013-06-01 05:00:00
Finish Date: 2015-09-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: LY
Action Name: FF RA
SEQ: 51
Start Date: 2003-10-24 04:00:00
Finish Date: 2015-02-03 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 52
Start Date: 2013-10-15 05:00:00
Finish Date: 2015-09-01 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 53
Start Date: 2013-10-15 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 10
Action Code: LY
Action Name: FF RA
SEQ: 54
Start Date: 2013-03-04 05:00:00
Finish Date: 2015-09-01 05:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 09
Action Code: RO
Action Name: ROD
SEQ: 23
Start Date: 2015-09-03 05:00:00
Finish Date: 2015-09-03 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 01
Action Code: LY
Action Name: FF RA
SEQ: 55
Start Date: 2010-07-14 05:00:00
Finish Date: 2016-03-28 05:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LW
Action Name: FF RI/FS
SEQ: 17
Start Date: 2017-10-31 04:00:00
Finish Date: 2018-09-21 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LW
Action Name: FF RI/FS

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ: 15
Start Date: 2008-08-01 05:00:00
Finish Date: 2015-02-26 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LW
Action Name: FF RI/FS
SEQ: 16

Start Date: 2009-02-27 05:00:00
Finish Date: 2014-11-25 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LW
Action Name: FF RI/FS
SEQ: 14

Start Date: 2008-05-24 04:00:00
Finish Date: 2015-09-21 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LY
Action Name: FF RA
SEQ: 40

Start Date: 2018-09-30 05:00:00
Finish Date: 2019-02-28 06:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

OU: 12
Action Code: LY
Action Name: FF RA
SEQ: 41
Start Date: 2015-02-26 05:00:00
Finish Date: 2018-09-27 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LY
Action Name: FF RA
SEQ: 42
Start Date: 2014-11-25 05:00:00
Finish Date: 2018-09-27 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LY
Action Name: FF RA
SEQ: 43
Start Date: 2018-09-30 05:00:00
Finish Date: 2019-02-28 06:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676
Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LW
Action Name: FF RI/FS
SEQ: 18
Start Date: 2013-07-18 04:00:00
Finish Date: 2017-01-18 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

Region: 09
Site ID: 0902783
EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site Name: FORT ORD
NPL: F
FF: Y
OU: 12
Action Code: LY
Action Name: FF RA
SEQ: 46
Start Date: 2017-01-18 05:00:00
Finish Date: 2018-09-27 05:00:00
Qual: Not reported
Current Action Lead: Prosp Purch

CORRACTS:

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 19911201
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: BASEWIDE RI SITES
Corrective Action: INVESTIGATION COMPLETE
Actual Date: 19970113
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: ENTIRE FACILITY
Corrective Action: CMS WORKPLAN APPROVED
Actual Date: 19911201
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: BASEWIDE RI SITES
Corrective Action: CMS COMPLETE
Actual Date: 19970113

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FORT ORD (Continued)

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Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: ENTIRE FACILITY
Corrective Action: HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: ENTIRE FACILITY
Corrective Action: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Actual Date: 20000522
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

Name: ORD MILITARY COMMUNITY
Address: 4495 JOE LLOYD WAY
Address 2: ORD MILITARY COMMUNITY
EPA ID: CA7210020676
Area Name: ENTIRE FACILITY
Corrective Action: REMEDY DECISION

Actual Date: 19970113
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA TSD:

Treatment Storage and Disposal Type: Storage, Treatment
Full Enforcement Universe: Not reported
Corrective Action Workload Universe: Yes
Permit Renewals Workload Universe: Not reported
Permit Workload Universe: Not reported
Permit Progress Universe: Storage, Treatment
Post-Closure Workload Universe: Not reported
Closure Workload Universe: Not reported
Operating TSD Universe: Not reported
Commercial TSD Indicator: No
Active Site Fed-Reg Treatment Storage and Disposal Facility: Not reported
Active Site Converter Treatment storage and Disposal Facility: Not reported
Active Site State-Reg Treatment Storage and Disposal Facility: Not reported

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FORT ORD (Continued)

1000393341

TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe: No
 TSDFs Only Subject to CA under Discretionary Auth Universe: No

Biennial: List of Years

Year: 2021

Click Here for Biennial Reporting System Data:

Year: 2009

Click Here for Biennial Reporting System Data:

Year: 2005

Click Here for Biennial Reporting System Data:

Year: 2003

Click Here for Biennial Reporting System Data:

Year: 2001

Click Here for Biennial Reporting System Data:

RCRA Listings:

Date Form Received by Agency:	20220610
Handler Name:	Ord Military Community
Handler Address:	4495 JOE LLOYD WAY
Handler City,State,Zip:	SEASIDE, CA 93955
EPA ID:	CA7210020676
Contact Name:	AVA D CARTER
Contact Address:	P.O. BOX 5005 ATTN: IMPM-PW-AMIM-E
Contact City,State,Zip:	MONTEREY, CA 93944-5004
Contact Telephone:	831-887-8878
Contact Fax:	Not reported
Contact Email:	AVA.D.CARTER.CIV@ARMY.MIL
Contact Title:	ENVIRONMENTAL PROTECTION SPECIALIST
EPA Region:	09
Land Type:	Federal
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2021
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Corrective Action Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 5004 ATTN: IMPM-PW-AMIM-E
Mailing City,State,Zip:	MONTEREY, CA 93944-5004
Owner Name:	U.S. Army
Owner Type:	Federal
Operator Name:	Varman S. Chheoung
Operator Type:	Federal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No

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Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	Yes
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
2018 GPRC Permit Baseline:	Not on the Baseline
2018 GPRC Renewals Baseline:	Not on the Baseline
202 GPRC Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	Yes
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	No
Groundwater Controls Indicator:	No
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20220627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years

Year: 2021

[Click Here for Biennial Reporting System Data:](#)

Year: 2009

[Click Here for Biennial Reporting System Data:](#)

Year: 2005

[Click Here for Biennial Reporting System Data:](#)

Year: 2003

[Click Here for Biennial Reporting System Data:](#)

Year: 2001

[Click Here for Biennial Reporting System Data:](#)

Hazardous Waste Summary:

Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002

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Waste Description:	CORROSIVE WASTE
Waste Code:	D003
Waste Description:	REACTIVE WASTE
Waste Code:	D004
Waste Description:	ARSENIC
Waste Code:	D006
Waste Description:	CADMIUM
Waste Code:	D007
Waste Description:	CHROMIUM
Waste Code:	D008
Waste Description:	LEAD
Waste Code:	D009
Waste Description:	MERCURY
Waste Code:	D011
Waste Description:	SILVER
Waste Code:	D018
Waste Description:	BENZENE
Waste Code:	D022
Waste Description:	CHLOROFORM
Waste Code:	D023
Waste Description:	O-CRESOL
Waste Code:	D035
Waste Description:	METHYL ETHYL KETONE
Waste Code:	D039
Waste Description:	TETRACHLOROETHYLENE
Waste Code:	F002
Waste Description:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Waste Code:	P098
Waste Description:	POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
Waste Code:	U002
Waste Description:	2-PROPANONE (I) (OR) ACETONE (I)
Waste Code:	U069
Waste Description:	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

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FORT ORD (Continued)

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Waste Code: U151
Waste Description: MERCURY

Waste Code: U162
Waste Description: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

Handler - Owner Operator:

Owner/Operator Indicator: Operator
Owner/Operator Name: JEFFREY S. CAIRNS, COL., US
Legal Status: Federal
Date Became Current: 20030709
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: U.S. ARMY
Legal Status: Federal
Date Became Current: 19170111
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 5005
Owner/Operator City,State,Zip: MONTEREY, CA 93944
Owner/Operator Telephone: 831-242-7924
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: DARCY A BREWER, COL., US
Legal Status: Federal
Date Became Current: 20080707
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: U.S. ARMY
Legal Status: Federal
Date Became Current: 19170111
Date Ended Current: Not reported
Owner/Operator Address: P.O. BOX 5005
Owner/Operator City,State,Zip: MONTEREY, CA 93944
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner

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Database(s)

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EPA ID Number

FORT ORD (Continued)

1000393341

Owner/Operator Name:	U.S. ARMY
Legal Status:	Federal
Date Became Current:	19170111
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 5005
Owner/Operator City,State,Zip:	MONTEREY, CA 93944
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	US ARMY
Legal Status:	Federal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	DIR FAC ENGRG ATTN AFZW-FE-E
Owner/Operator City,State,Zip:	FORT ORD, CA 93941
Owner/Operator Telephone:	408-242-4505
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	VARMAN S. CHHEOUNG
Legal Status:	Federal
Date Became Current:	20180706
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 5004 ATTN: IMPM-PW CHIEF, DPW
Owner/Operator City,State,Zip:	MONTEREY, CA 93944-5004
Owner/Operator Telephone:	831-242-7924
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	VARMAN.S.CHHEOUNG.MIL@ARMY.MIL
Owner/Operator Indicator:	Operator
Owner/Operator Name:	JEFFREY S. CAIRNS, COL., US ARMY
Legal Status:	Federal
Date Became Current:	20030709
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	U.S. ARMY
Legal Status:	Federal
Date Became Current:	19170111
Date Ended Current:	Not reported
Owner/Operator Address:	P.O. BOX 5005
Owner/Operator City,State,Zip:	MONTEREY, CA 93944
Owner/Operator Telephone:	831-242-7924
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

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FORT ORD (Continued)

1000393341

Owner/Operator Email: VARMAN.S.CHHEOUNG.MIL@ARMY.MIL

Historic Generators:

Receive Date: 20100617
Handler Name: ORD MILITARY COMMUNITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220610
Handler Name: ORD MILITARY COMMUNITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19800814
Handler Name: USARMY FORT ORD
Federal Waste Generator Description: Large Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900413
Handler Name: FORT ORD, US ARMY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19920229
Handler Name: FORT ORD, US ARMY BASE

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FORT ORD (Continued)

1000393341

Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960301
Handler Name: DEF LANGUAGE INST & PRESIDIO OF MONTEREY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: HQ, DEFENSE LANGUAGE INST., POM ANNEX
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: HQ, DLI, POM ANNEX
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20020204
Handler Name: ORD MILITARY COMMUNITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No

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Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040218
Handler Name: ORD MILITARY COMMUNITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060218
Handler Name: ORD MILITARY COMMUNITY
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:

NAICS Code: 56121
NAICS Description: FACILITIES SUPPORT SERVICES

NAICS Code: 61163
NAICS Description: LANGUAGE SCHOOLS

NAICS Code: 92119
NAICS Description: OTHER GENERAL GOVERNMENT SUPPORT

NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

Has the Facility Received Notices of Violations:

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19920401
Actual Return to Compliance Date: 19920624
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported

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FORT ORD (Continued)

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Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20190529
Actual Return to Compliance Date:	20190530
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	20191114
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19930921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19920624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920618
Enforcement Identifier:	004
Date of Enforcement Action:	19920410

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Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870420
Actual Return to Compliance Date:	19891219
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19900308
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19930624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19920624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19880105
Actual Return to Compliance Date:	19890411
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	002
Date of Enforcement Action:	19880318
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19920624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920618
Enforcement Identifier:	004
Date of Enforcement Action:	19920410
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19870407
Actual Return to Compliance Date:	19870420
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19930624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920618
Enforcement Identifier:	004
Date of Enforcement Action:	19920410
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19920624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19920624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920618
Enforcement Identifier:	004
Date of Enforcement Action:	19920410

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Site

Database(s)

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EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19870407
Actual Return to Compliance Date:	19870420
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	LDR - General
Date Violation was Determined:	19870407
Actual Return to Compliance Date:	19870420
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19930624
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date: Not reported
 SEP Type: Not reported
 SEP Type Description: Not reported
 Proposed Amount: Not reported
 Final Monetary Amount: Not reported
 Paid Amount: Not reported
 Final Count: Not reported
 Final Amount: Not reported

Found Violation: No
 Agency Which Determined Violation: Not reported
 Violation Short Description: Not reported
 Date Violation was Determined: Not reported
 Actual Return to Compliance Date: Not reported
 Return to Compliance Qualifier: Not reported
 Violation Responsible Agency: Not reported
 Scheduled Compliance Date: Not reported
 Enforcement Identifier: Not reported
 Date of Enforcement Action: Not reported
 Enforcement Responsible Agency: Not reported
 Enforcement Docket Number: Not reported
 Enforcement Attorney: Not reported
 Corrective Action Component: Not reported
 Appeal Initiated Date: Not reported
 Appeal Resolution Date: Not reported
 Disposition Status Date: Not reported
 Disposition Status: Not reported
 Disposition Status Description: Not reported
 Consent/Final Order Sequence Number: Not reported
 Consent/Final Order Respondent Name: Not reported
 Consent/Final Order Lead Agency: Not reported
 Enforcement Type: Not reported
 Enforcement Responsible Person: Not reported
 Enforcement Responsible Sub-Organization: Not reported
 SEP Sequence Number: Not reported
 SEP Expenditure Amount: Not reported
 SEP Scheduled Completion Date: Not reported
 SEP Actual Date: Not reported
 SEP Defaulted Date: Not reported
 SEP Type: Not reported
 SEP Type Description: Not reported
 Proposed Amount: Not reported
 Final Monetary Amount: Not reported
 Paid Amount: Not reported
 Final Count: Not reported
 Final Amount: Not reported

Found Violation: Yes
 Agency Which Determined Violation: EPA
 Violation Short Description: TSD - General
 Date Violation was Determined: 19890411
 Actual Return to Compliance Date: 19891219
 Return to Compliance Qualifier: Unverifiable
 Violation Responsible Agency: State
 Scheduled Compliance Date: 19890710
 Enforcement Identifier: 004
 Date of Enforcement Action: 19890609

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MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19950413
Actual Return to Compliance Date:	19950511
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950826
Enforcement Identifier:	008
Date of Enforcement Action:	19950413
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

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Database(s)

EDR ID Number
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FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20190529
Actual Return to Compliance Date:	20190530
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20210212
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	SINGLE SITE CA/FO
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	4000
Paid Amount:	Not reported
Final Count:	1
Final Amount:	4000
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19920401
Actual Return to Compliance Date:	19930921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19920618
Enforcement Identifier:	004
Date of Enforcement Action:	19920410
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19971202
Actual Return to Compliance Date:	19971202
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	009
Date of Enforcement Action:	19971202

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930625
Actual Return to Compliance Date:	19930921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931104
Enforcement Identifier:	006
Date of Enforcement Action:	19930805
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870420
Actual Return to Compliance Date:	19891219
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19871022
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Closure/Post-Closure
Date Violation was Determined:	19950413
Actual Return to Compliance Date:	19950511
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950826
Enforcement Identifier:	008
Date of Enforcement Action:	19950413

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19930625
Actual Return to Compliance Date:	19930921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931104
Enforcement Identifier:	006
Date of Enforcement Action:	19930805
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19890411
Actual Return to Compliance Date:	19891219
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	19890710
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19870407
Actual Return to Compliance Date:	19870420
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19870930
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950413
Actual Return to Compliance Date:	19950511
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950826
Enforcement Identifier:	008
Date of Enforcement Action:	19950413
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19880105
Actual Return to Compliance Date:	19890411
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	State Statute or Regulation
Date Violation was Determined:	20190529
Actual Return to Compliance Date:	20190530
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	300
Date of Enforcement Action:	20190530
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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MAP FINDINGS

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Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	LDR - General
Date Violation was Determined:	19930805
Actual Return to Compliance Date:	19930921
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19931104
Enforcement Identifier:	006
Date of Enforcement Action:	19930805

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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	TSD - General
Date Violation was Determined:	19910319
Actual Return to Compliance Date:	19920204
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	19910721
Enforcement Identifier:	005
Date of Enforcement Action:	19910621
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

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MAP FINDINGS

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Database(s)

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 EPA ID Number

FORT ORD (Continued)

1000393341

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19950413
Actual Return to Compliance Date:	19950511
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	19950826
Enforcement Identifier:	008
Date of Enforcement Action:	19950413
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - General
Date Violation was Determined:	19870420
Actual Return to Compliance Date:	19891219
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported

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Database(s)

EDR ID Number
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FORT ORD (Continued)

1000393341

Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:

Evaluation Date: 19920204
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920624
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FACILITY SELF DISCLOSURE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190530
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920204
Evaluation Responsible Agency: State

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1000393341

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930921
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920624
Scheduled Compliance Date:	19920618
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870420
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891219
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930624
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920624

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Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19880105
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890411
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920624
Scheduled Compliance Date:	19920618
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870407
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870420
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930624
Scheduled Compliance Date:	19920618
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Evaluation Date: 19920204
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920624
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19920204
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19920624
Scheduled Compliance Date: 19920618
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190530
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870407
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19870420
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19870407
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870420
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930624
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19960523
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890411
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891219
Scheduled Compliance Date:	19890710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190529
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950511
Scheduled Compliance Date:	19950826
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19970122
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20190529
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FACILITY SELF DISCLOSURE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20190530
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19920204
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930921
Scheduled Compliance Date:	19920618
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19971202
Evaluation Responsible Agency:	State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19971202
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930921
Scheduled Compliance Date:	19931104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870420
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891219
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950511
Scheduled Compliance Date:	19950826
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950927
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19930622
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19930921
Scheduled Compliance Date:	19931104
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19890411
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891219
Scheduled Compliance Date:	19890710
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870407
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19870420
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950511
Scheduled Compliance Date:	19950826
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Evaluation Date: 19880105
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19890411
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20190529
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FACILITY SELF DISCLOSURE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20190530
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19891219
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19930622
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19930921
Scheduled Compliance Date: 19931104
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19910319
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19920204
Scheduled Compliance Date:	19910721
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19950411
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19950511
Scheduled Compliance Date:	19950826
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	19870420
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19891219
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site:

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
Event Code: Not reported
Action Taken Date: 05/21/2018
EPA ID: CA7210020676
Action Name: Explanation of Significant Differences
Action ID: 7
Operable Unit: 09
Contaminated Media: Solid Waste
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2018
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Media:

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 11
Operable Unit: 10
Action Name: Record of Decision
Action Taken Date: 05/15/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

EPA ID:	CA7210020676
Contaminated Media:	Solid Waste
Action ID:	13
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	09/20/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Solid Waste
Action ID:	13
Operable Unit:	09
Action Name:	Record of Decision
Action Taken Date:	09/20/2002
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2002
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Debris
Action ID:	4
Operable Unit:	07
Action Name:	Explanation of Significant Differences
Action Taken Date:	04/26/2005
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2005
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Soil
Action ID:	4
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	09/29/1995

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Sediment
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Not reported
Action ID: 2
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 3
Operable Unit: 03
Action Name: Explanation of Significant Differences
Action Taken Date: 12/01/2003
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2004

Map ID
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 6
Operable Unit: 06
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contaminated Media: Groundwater
Action ID: 1
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 08/23/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 3
Operable Unit: 03
Action Name: Explanation of Significant Differences
Action Taken Date: 12/01/2003
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2004
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Landfill Gas
Action ID: 5
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 10/04/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2007
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 6
Operable Unit: 06
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 8
Operable Unit: 07
Action Name: Record of Decision
Action Taken Date: 07/02/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 9
Operable Unit: 08
Action Name: Record of Decision
Action Taken Date: 04/06/2005
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 10/04/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2007
NPL Status: Currently on the Final NPL

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 5
Operable Unit: 02
Action Name: Explanation of Significant Differences
Action Taken Date: 10/04/2006
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2007
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 7
Operable Unit: 09
Action Name: Explanation of Significant Differences
Action Taken Date: 05/21/2018
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2018
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 03
Action Name: ROD Amendment
Action Taken Date: 09/30/2009
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 1
Operable Unit: 04
Action Name: Record of Decision
Action Taken Date: 03/15/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	03/15/1994
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1994
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	08/23/1994
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1994
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Solid Waste
Action ID:	2
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	08/23/1994
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1994
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	+36.625000
Longitude:	-121.750000
EPA ID:	CA7210020676
Contaminated Media:	Groundwater
Action ID:	2

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 08/23/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 08/23/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 08/23/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 2
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 08/23/1994
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 3
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 04/13/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 4
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/29/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 4
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/29/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 4
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/29/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 4
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 09/29/1995
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1995
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 5
Operable Unit: 03

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 6
Operable Unit: 06
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 11
Operable Unit: 10
Action Name: Record of Decision
Action Taken Date: 05/15/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 13
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 09/20/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 13
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 09/20/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 13
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 09/20/2002
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2002
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 14
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 02/06/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 14
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 02/06/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 14
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 02/06/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 14
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 02/06/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Groundwater
Action ID: 14
Operable Unit: 11
Action Name: Record of Decision
Action Taken Date: 02/06/2008
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 19
Operable Unit: 12
Action Name: Record of Decision
Action Taken Date: 11/25/2014
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2015
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 22
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 03/29/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contaminated Media: Solid Waste
Action ID: 22
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 03/29/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 22
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 03/29/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Solid Waste
Action ID: 23
Operable Unit: 09
Action Name: Record of Decision
Action Taken Date: 09/03/2015
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2015
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

EPA ID: CA7210020676
Contaminated Media: Soil
Action ID: 5
Operable Unit: 03
Action Name: Record of Decision
Action Taken Date: 01/17/1997
Event Code: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

US INST CONTROLS:

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 17
Operable Unit: 12
Actual Date: 09/21/2018
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2018
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 18
Operable Unit: 12
Actual Date: 02/26/2015
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2015
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 19
Operable Unit: 12
Actual Date: 11/25/2014
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2015
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Explanation of Significant Differences
Action ID: 6
Operable Unit: 01
Actual Date: 07/14/2010
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2010
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 5
Operable Unit: 03
Actual Date: 01/17/1997
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 11
Operable Unit: 10
Actual Date: 05/15/2008
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 14
Operable Unit: 11
Actual Date: 02/06/2008
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 15
Operable Unit: 09
Actual Date: 11/21/2008
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2009
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 08/23/1994
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 2
Operable Unit: 02
Actual Date: 08/23/1994
Contaminated Media: Soil
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Action ID: 2
Operable Unit: 02
Actual Date: 08/23/1994
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1994
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 21
Operable Unit: 12
Actual Date: 01/18/2017
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 22
Operable Unit: 09
Actual Date: 03/29/2017
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 5
Operable Unit: 03
Actual Date: 01/17/1997
Contaminated Media: Groundwater
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1997
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 16
Operable Unit: 09
Actual Date: 08/26/2008
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2008
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
Address 2: Not reported
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
Action Name: Record of Decision
Action ID: 20
Operable Unit: 12
Actual Date: 09/21/2018
Contaminated Media: Solid Waste
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Fiscal Year: 2018
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: +36.625000
Longitude: -121.750000

ROD:

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: LANDFILL (OU 02)
SEQ ID: 1
Action Completion: 1995-08-23 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: LANDFILL (OU 02)
SEQ ID: 2
Action Completion: 1997-01-17 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: OVERALL SITE (OU 03)
SEQ ID: 3
Action Completion: 2003-12-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: OE TRACK 0 (OU 08)
SEQ ID: 4
Action Completion: 2005-04-26 00:00:00
NPL Status: Final

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: LANDFILL (OU 02)
SEQ ID: 5
Action Completion: 2006-10-04 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: FIRE DRILL AREA (OU 01)
SEQ ID: 6
Action Completion: 2010-07-14 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ESD
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 7
Action Completion: 2018-05-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SURFACE SOILS (OU 04)
SEQ ID: 1
Action Completion: 1994-03-15 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: LANDFILL (OU 02)
SEQ ID: 2
Action Completion: 1994-08-23 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: NO ACTION SOILS (OU 05)
SEQ ID: 3
Action Completion: 1995-04-13 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OVERALL SITE (OU 03)
SEQ ID: 5
Action Completion: 1997-01-17 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 0 (OU 08)
SEQ ID: 8
Action Completion: 2002-07-02 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 1 (OU 09)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

SEQ ID: 9
Action Completion: 2005-04-06 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 3 (OU 11)
SEQ ID: 11
Action Completion: 2008-05-15 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 13
Action Completion: 2002-09-20 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: CARBON TET PLUME (OU 12)
SEQ ID: 14
Action Completion: 2008-02-06 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 15
Action Completion: 2008-11-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 16
Action Completion: 2008-08-26 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PRIVATIZATION PARCELS (OU 13)
SEQ ID: 17
Action Completion: 2018-09-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PRIVATIZATION PARCELS (OU 13)
SEQ ID: 18
Action Completion: 2015-02-26 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PRIVATIZATION PARCELS (OU 13)
SEQ ID: 19
Action Completion: 2014-11-25 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PRIVATIZATION PARCELS (OU 13)
SEQ ID: 20
Action Completion: 2018-09-21 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: PRIVATIZATION PARCELS (OU 13)
SEQ ID: 21
Action Completion: 2017-01-18 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 22
Action Completion: 2017-03-29 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: OE TRACK 2 (OU 10)
SEQ ID: 23
Action Completion: 2015-09-03 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: FF ROD Amendment
Operable Unit Number: OVERALL SITE (OU 03)
SEQ ID: 1
Action Completion: 2009-09-30 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD (Continued)

1000393341

NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: GOVT Decision Document (ROD)
Operable Unit Number: FIRE DRILL AREA (OU 01)
SEQ ID: 4
Action Completion: 1995-09-29 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: FORT ORD
Address: FORMER ARMY BASE FORT ORD
City,State,Zip: MARINA, CA 93933
EPA ID: CA7210020676
RG: 9
Site ID: 902783
Action: GOVT Decision Document (ROD)
Operable Unit Number: SITE 3 BEACH RANGE (OU 07)
SEQ ID: 6
Action Completion: 1997-01-17 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name: FORT ORD REUSE AUTHORITY
U.S. ARMY

PRP:
Name: FORT ORD
Address: Not reported
City,State,Zip: Not reported
Superfund EPAID: UTD093119196
Superfund Name: PETROCHEM RECYCLING CORP./EKOTEK PLANT
Superfund Address: 1628 N CHICAGO ST
Superfund City,State,Zip: SALT LAKE CITY, UT 84116
NPL Status: Deleted from the Final NPL
NPL Status Short Name: Not reported
Data Type: SETTLEMENT DATE
Action Date: 7/12/1994
Settlement Code: AC-3
Settlement: ADM ORDR
Latitude: +40.803190
Longitude: -111.917713

Name: FORT ORD
Address: Not reported
City,State,Zip: Not reported
Superfund EPAID: UTD093119196
Superfund Name: PETROCHEM RECYCLING CORP./EKOTEK PLANT
Superfund Address: 1628 N CHICAGO ST
Superfund City,State,Zip: SALT LAKE CITY, UT 84116

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FORT ORD (Continued)

1000393341

NPL Status: Deleted from the Final NPL
 NPL Status Short Name: Not reported
 Data Type: SETTLEMENT DATE
 Action Date: 10/27/1994
 Settlement Code: AC-4
 Settlement: ADM ORDR
 Latitude: +40.803190
 Longitude: -111.917713

PFAS NPL:

EPA Region: 09
 Name: FORT ORD
 Address: FORMER ARMY BASE FORT ORD
 City,State,Zip: MARINA, CA 93933
 EPAID: CA7210020676
 Superfund Link: <https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902783&mssp=med>
 Data Systems: SEMS
 Last Updated: 2019-02-28 00:00:00
 Programs: Superfund
 Location Type: Federal
 NPL Site: Y
 NPL Status: Final
 Media Detected: GW
 Health Advisory: N
 DW Response: -
 Latitude: 36.625
 Longitude: -121.75
 EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-121.75,%22y%22:36.625,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

1
SSE
1/8-1/4
0.205 mi.
1081 ft.

MISSION MEMORIAL PARK & SEASIDE FUNERAL HOMECLOS**
3301 MONTEREY BLDG 4463
SEASIDE, CA

CUPA Listings S111464769
N/A

Relative:
Higher
Actual:
211 ft.

CUPA MONTEREY:
 Name: MISSION MEMORIAL PARK & SEASIDE FUNERAL HOME**CLOSED**
 Address: 3301 MONTEREY BLDG 4463
 City,State,Zip: SEASIDE, CA
 Facility Id: FA0824603
 Region: MONTEREY
 Program/Element Code: 5040
 Program/Element: 5040 - BASE FEE-HAZARDOUS MATERIALS REGISTRATION
 Billing Status: 02 - INACTIVE, NON-BILLABLE
 EDR Link ID: FA0824603
 Mailing Address: SALINAS CA
 Mailing Address Care Of: Not reported
 Mailing City State Zip: SALINAS CA
 Program Identifier: Not reported
 Owner ID: OW0809981
 Last Billing Date: Not reported
 Last Payment Date: Not reported
 Last Payment Amount: 0.00
 Total Fee Amount: 0.00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MISSION MEMORIAL PARK & SEASIDE FUNERAL HOMECLOSED** (Continued)**

S111464769

Total Amount Paid: Not reported
Units: Not reported
Financial Status: (none)
Phone: Not reported
Last Activity Date: Not reported
Prior Inspection Date: Not reported
Current Inspection Date: Not reported
Record ID: PR0630332
Email: Not reported

2
South
1/4-1/2
0.270 mi.
1424 ft.

6 ARMY RD.,(1800 GAL) AND BLDG
100 CALIFORNIA (900 GAL)
FORT ORD, CA 93941

Notify 65 **S100179849**
N/A

Relative:
Higher
Actual:
219 ft.

NOTIFY 65:
Name: 6 ARMY RD.,(1800 GAL) AND BLDG
Address: 100 CALIFORNIA (900 GAL)
City,State,Zip: FORT ORD, CA 93941
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

3
NW
1/2-1
0.659 mi.
3482 ft.

FORT ORD STATE PARK-MOU WITH DPR
INTERSECTION OF HWY 1 AND 8TH STREET
CITY OF MARINA, CA 93933

ENVIROSTOR **S108974304**
DEED **N/A**

Relative:
Lower
Actual:
120 ft.

ENVIROSTOR:
Name: FORT ORD STATE PARK-MOU WITH DPR
Address: INTERSECTION OF HWY 1 AND 8TH STREET
City,State,Zip: CITY OF MARINA, CA 93933
Facility ID: 80001207
Status: Active
Status Date: 12/27/2007
Site Code: 201772
Site Type: Federal Superfund
Site Type Detailed: Closed Base
Acres: 979
NPL: YES
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jane Numazu
Supervisor: Duane White
Division Branch: Cleanup Sacramento
Assembly: 29
Senate: 17
Special Program: Voluntary Agreement - Standard Voluntary Agreement

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD STATE PARK-MOU WITH DPR (Continued)

S108974304

Restricted Use: YES
Site Mgmt Req: NONE SPECIFIED
Funding: Other Non-Military Funds
Latitude: 36.65247
Longitude: -121.8230
APN: NONE SPECIFIED
Past Use: FIRING RANGE - SMALL ARMS ETC...
Potential COC: Lead
Confirmed COC: 30013-NO
Potential Description: SOIL
Alias Name: 110033614765
Alias Type: EPA (FRS #)
Alias Name: 201772
Alias Type: Project Code (Site Code)
Alias Name: 80001207
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/01/2009
Comments: Historical document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 10/06/2017
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/30/2012
Comments: Historical document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Deed/LUR Enforcement & Implementation Plan
Completed Date: 11/27/2007
Comments: This MOU provides for implementation of soil and groundwater restrictions for portion of Former Fort Ord property transferred to Park Service, known as the Fort Ord Dunes State Park.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2021
Comments: DTSC accepts the Report as written.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD STATE PARK-MOU WITH DPR (Continued)

S108974304

Completed Document Type: Memorandum of Agreement - IAG
Completed Date: 05/29/2020
Comments: DTSC does not recommend changes. Inspection frequencies are to remain at quarterly. Human health and environmental risk assessments must meet requirements in DTSC s Human and Environmental Risk Assessment Note 3.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 02/24/2009
Comments: The restrictions from this Land Use Covenant are for 858 acres of Parcel S3.1.1. Soil on the property contains lead, including

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/16/2011
Comments: Historical document. 2010 Annual Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/22/2004
Comments: Historical document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 07/21/2017
Comments: The 2011 - 2016 Annual letter report for monitoring of the Dunes State Park was submitted on July 21, 2017.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/02/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 04/23/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/28/2018
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FORT ORD STATE PARK-MOU WITH DPR (Continued)

S108974304

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:

Name: FORT ORD STATE PARK-MOU WITH DPR
Address: INTERSECTION OF HWY 1 AND 8TH STREET
City,State,Zip: CITY OF MARINA, CA 93933
Envirostor ID: 80001207
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: FEDERAL SUPERFUND
Status: ACTIVE
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): Not reported
File Name: Envirostor Land Use Restrictions

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/03/2023	Telephone: N/A
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 04/03/2023
Number of Days to Update: 25	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/02/2023	Telephone: N/A
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 04/03/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 01/25/2023	Source: EPA
Date Data Arrived at EDR: 02/02/2023	Telephone: 800-424-9346
Date Made Active in Reports: 02/28/2023	Last EDR Contact: 04/03/2023
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023	Source: EPA
Date Data Arrived at EDR: 03/09/2023	Telephone: 800-424-9346
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2023	Telephone: (415) 495-8895
Date Made Active in Reports: 03/20/2023	Last EDR Contact: 03/09/2023
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022	Source: Department of the Navy
Date Data Arrived at EDR: 11/08/2022	Telephone: 843-820-7326
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 02/03/2023
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/27/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/16/2022	Telephone: 703-603-0695
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/21/2023
Number of Days to Update: 85	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 12/14/2022

Telephone: 202-267-2180

Date Made Active in Reports: 12/19/2022

Last EDR Contact: 03/21/2023

Number of Days to Update: 5

Next Scheduled EDR Contact: 07/03/2023

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/24/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 10/24/2022

Telephone: 916-323-3400

Date Made Active in Reports: 01/12/2023

Last EDR Contact: 01/24/2023

Number of Days to Update: 80

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 10/24/2022

Telephone: 916-323-3400

Date Made Active in Reports: 01/12/2023

Last EDR Contact: 01/24/2023

Number of Days to Update: 80

Next Scheduled EDR Contact: 05/08/2023

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 11/03/2022

Telephone: 916-341-6320

Date Made Active in Reports: 01/25/2023

Last EDR Contact: 02/07/2023

Number of Days to Update: 83

Next Scheduled EDR Contact: 05/22/2023

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004	Source: California Regional Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 09/07/2004	Telephone: 213-576-6710
Date Made Active in Reports: 10/12/2004	Last EDR Contact: 09/06/2011
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/19/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004	Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-622-2433
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001	Source: California Regional Water Quality Control Board North Coast (1)
Date Data Arrived at EDR: 02/28/2001	Telephone: 707-570-3769
Date Made Active in Reports: 03/29/2001	Last EDR Contact: 08/01/2011
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: see region list
Date Made Active in Reports: 03/30/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 09/26/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/09/2012
	Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022	Source: EPA Region 6
Date Data Arrived at EDR: 12/06/2022	Telephone: 214-665-6597
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/26/2022	Source: EPA Region 4
Date Data Arrived at EDR: 12/06/2022	Telephone: 404-562-8677
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 12/06/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022	Source: EPA Region 8
Date Data Arrived at EDR: 12/06/2022	Telephone: 303-312-6271
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/06/2022	Telephone: 415-972-3372
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022	Source: EPA, Region 5
Date Data Arrived at EDR: 12/06/2022	Telephone: 312-886-7439
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022	Source: EPA Region 1
Date Data Arrived at EDR: 12/06/2022	Telephone: 617-918-1313
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/18/2006	Telephone: 805-549-3147
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 07/18/2011
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004	Source: Region Water Quality Control Board Los Angeles Region (4)
Date Data Arrived at EDR: 11/18/2004	Telephone: 213-576-6600
Date Made Active in Reports: 01/04/2005	Last EDR Contact: 07/01/2011
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005	Source: Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 04/05/2005	Telephone: 916-464-3291
Date Made Active in Reports: 04/21/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 16	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 12/06/2022	Telephone: 617-918-1313
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 12/06/2022	Telephone: 913-551-7003
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022	Source: EPA Region 4
Date Data Arrived at EDR: 12/06/2022	Telephone: 404-562-9424
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 11/23/2022	Source: EPA Region 9
Date Data Arrived at EDR: 12/06/2022	Telephone: 415-972-3368
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022	Source: EPA Region 8
Date Data Arrived at EDR: 12/06/2022	Telephone: 303-312-6137
Date Made Active in Reports: 03/03/2023	Last EDR Contact: 01/17/2023
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 64	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 07/08/2021
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/24/2022	Telephone: 916-323-3400
Date Made Active in Reports: 01/12/2023	Last EDR Contact: 01/24/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/17/2023
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2022	Telephone: 916-323-7905
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 03/21/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2022	Telephone: 202-566-2777
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 04/04/2023
Number of Days to Update: 0	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 01/20/2023
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/02/2022	Source: Department of Conservation
Date Data Arrived at EDR: 12/02/2022	Telephone: 916-323-3836
Date Made Active in Reports: 02/22/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 11/22/2022	Telephone: 916-341-6422
Date Made Active in Reports: 02/13/2023	Last EDR Contact: 02/15/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/20/2023
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/13/2023
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/27/2023
Number of Days to Update: 176	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/02/2023	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 02/02/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 10/24/2022	Telephone: 916-323-3400
Date Made Active in Reports: 01/12/2023	Last EDR Contact: 01/24/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/30/2022	Telephone: 916-255-6504
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 03/22/2023
Number of Days to Update: 71	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023	Source: CalEPA
Date Data Arrived at EDR: 01/06/2023	Telephone: 916-323-2514
Date Made Active in Reports: 01/11/2023	Last EDR Contact: 01/06/2023
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 02/02/2023	Telephone: 202-307-1000
Date Made Active in Reports: 02/10/2023	Last EDR Contact: 02/02/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022	Source: San Francisco County Department of Public Health
Date Data Arrived at EDR: 11/07/2022	Telephone: 415-252-3896
Date Made Active in Reports: 01/24/2023	Last EDR Contact: 01/27/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/13/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/14/2022	Telephone: 202-366-4555
Date Made Active in Reports: 03/10/2023	Last EDR Contact: 03/21/2023
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022	Source: Office of Emergency Services
Date Data Arrived at EDR: 10/17/2022	Telephone: 916-845-8400
Date Made Active in Reports: 01/04/2023	Last EDR Contact: 01/20/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/30/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/07/2023	Telephone: 866-480-1028
Date Made Active in Reports: 03/31/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 01/30/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 02/03/2023
Number of Days to Update: 73	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020	Source: EPA
Date Data Arrived at EDR: 06/14/2022	Telephone: 202-260-5521
Date Made Active in Reports: 03/24/2023	Last EDR Contact: 03/13/2023
Number of Days to Update: 283	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021	Source: EPA
Date Data Arrived at EDR: 11/01/2022	Telephone: 202-566-0250
Date Made Active in Reports: 02/09/2023	Last EDR Contact: 02/16/2023
Number of Days to Update: 100	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022	Source: EPA
Date Data Arrived at EDR: 10/18/2022	Telephone: 202-564-4203
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/18/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/29/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 11/22/2022	Telephone: 301-415-7169
Date Made Active in Reports: 12/05/2022	Last EDR Contact: 01/17/2023
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 03/03/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 02/27/2023
Number of Days to Update: 251	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 02/03/2023
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 03/23/2023
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020	Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020	Last EDR Contact: 01/24/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 02/24/2023
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022	Source: Department of Interior
Date Data Arrived at EDR: 12/20/2022	Telephone: 202-208-2609
Date Made Active in Reports: 03/10/2023	Last EDR Contact: 03/16/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023	Source: EPA
Date Data Arrived at EDR: 02/28/2023	Telephone: (415) 947-8000
Date Made Active in Reports: 03/24/2023	Last EDR Contact: 02/28/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021	Source: Department of Defense
Date Data Arrived at EDR: 10/20/2022	Telephone: 703-704-1564
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/09/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 02/24/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020	Source: Department of Health & Human Services
Date Data Arrived at EDR: 03/17/2021	Telephone: 202-741-5770
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 01/23/2023
Number of Days to Update: 601	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 03/30/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/31/2022	Telephone: 202-272-0167
Date Made Active in Reports: 11/08/2022	Last EDR Contact: 03/30/2023
Number of Days to Update: 222	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2023	Telephone: 202-272-0167
Date Made Active in Reports: 04/03/2023	Last EDR Contact: 03/30/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2023	Telephone: 202-272-0167
Date Made Active in Reports: 04/03/2023	Last EDR Contact: 03/30/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/30/2023	Telephone: 202-272-0167
Date Made Active in Reports: 04/03/2023	Last EDR Contact: 03/30/2023
Number of Days to Update: 4	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 01/02/2023	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2023	Telephone: 202-272-0167
Date Made Active in Reports: 04/03/2023	Last EDR Contact: 03/30/2023
Number of Days to Update: 88	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 12/02/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/02/2022	Telephone: 866-480-1028
Date Made Active in Reports: 02/23/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/06/2022	Telephone: 916-341-5455
Date Made Active in Reports: 10/26/2022	Last EDR Contact: 03/07/2023
Number of Days to Update: 50	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/14/2022	Telephone: 916-323-3400
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 03/21/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 02/10/2023
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 11/17/2022	Source: South Coast Air Quality Management District
Date Data Arrived at EDR: 11/30/2022	Telephone: 909-396-3211
Date Made Active in Reports: 02/14/2023	Last EDR Contact: 02/15/2023
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/05/2023
	Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 09/01/2021	Telephone: 916-327-4498
Date Made Active in Reports: 11/19/2021	Last EDR Contact: 01/24/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022	Source: Antelope Valley Air Quality Management District
Date Data Arrived at EDR: 11/14/2022	Telephone: 661-723-8070
Date Made Active in Reports: 02/01/2023	Last EDR Contact: 02/23/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020	Source: California Air Resources Board
Date Data Arrived at EDR: 06/13/2022	Telephone: 916-322-2990
Date Made Active in Reports: 08/30/2022	Last EDR Contact: 03/16/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/23/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 12/14/2022	Telephone: 213-978-3800
Date Made Active in Reports: 03/07/2023	Last EDR Contact: 03/24/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 07/03/2023
	Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021	Source: Community Health Services
Date Data Arrived at EDR: 07/09/2021	Telephone: 323-890-7806
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 01/20/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 01/05/2023
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/24/2023
	Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 01/20/2023
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/19/2022	Telephone: 310-618-2973
Date Made Active in Reports: 01/10/2023	Last EDR Contact: 01/13/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 02/09/2023
Number of Days to Update: 72	Next Scheduled EDR Contact: 05/29/2023
	Data Release Frequency: Varies

MARIN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/13/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 10/27/2022

Date Data Arrived at EDR: 10/28/2022

Date Made Active in Reports: 01/18/2023

Number of Days to Update: 82

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 01/27/2023

Next Scheduled EDR Contact: 05/15/2023

Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/18/2022

Date Data Arrived at EDR: 11/21/2022

Date Made Active in Reports: 02/09/2023

Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041

Last EDR Contact: 01/30/2023

Next Scheduled EDR Contact: 05/15/2023

Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022

Date Data Arrived at EDR: 11/29/2022

Date Made Active in Reports: 02/14/2023

Number of Days to Update: 77

Source: Hazardous Materials Management Division

Telephone: 619-338-2268

Last EDR Contact: 02/28/2023

Next Scheduled EDR Contact: 06/12/2023

Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021

Date Data Arrived at EDR: 03/04/2022

Date Made Active in Reports: 05/31/2022

Number of Days to Update: 88

Source: Department of Health Services

Telephone: 619-338-2209

Last EDR Contact: 04/04/2023

Next Scheduled EDR Contact: 05/01/2023

Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021

Date Data Arrived at EDR: 10/19/2021

Date Made Active in Reports: 01/13/2022

Number of Days to Update: 86

Source: Department of Environmental Health

Telephone: 858-505-6874

Last EDR Contact: 01/13/2023

Next Scheduled EDR Contact: 05/01/2023

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 06/15/2010	Telephone: 619-338-2371
Date Made Active in Reports: 07/09/2010	Last EDR Contact: 02/23/2023
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/12/2023
	Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/03/2022	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 11/07/2022	Telephone: 415-252-3896
Date Made Active in Reports: 01/25/2023	Last EDR Contact: 01/27/2023
Number of Days to Update: 79	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-252-3920
Date Made Active in Reports: 09/29/2008	Last EDR Contact: 01/27/2023
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022	Source: Department of Public Health
Date Data Arrived at EDR: 11/07/2022	Telephone: 415-252-3920
Date Made Active in Reports: 01/24/2023	Last EDR Contact: 01/27/2023
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/15/2023
	Data Release Frequency: Quarterly

SAN FRANCISCO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022	Source: San Francisco Planning
Date Data Arrived at EDR: 10/14/2022	Telephone: 628-652-7483
Date Made Active in Reports: 01/04/2023	Last EDR Contact: 01/13/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/01/2023
	Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018	Source: Environmental Health Department
Date Data Arrived at EDR: 06/26/2018	Telephone: N/A
Date Made Active in Reports: 07/11/2018	Last EDR Contact: 03/09/2023
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/26/2023
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/09/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 10/28/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 01/20/2023
Number of Days to Update: 80

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/28/2022	Source: Environmental Health Division
Date Data Arrived at EDR: 12/02/2022	Telephone: 805-654-2813
Date Made Active in Reports: 02/23/2023	Last EDR Contact: 03/07/2023
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/19/2023
	Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022	Source: Yolo County Department of Health
Date Data Arrived at EDR: 12/27/2022	Telephone: 530-666-8646
Date Made Active in Reports: 03/17/2023	Last EDR Contact: 03/22/2023
Number of Days to Update: 80	Next Scheduled EDR Contact: 07/10/2023
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 10/26/2022	Telephone: 530-749-7523
Date Made Active in Reports: 10/31/2022	Last EDR Contact: 01/20/2023
Number of Days to Update: 5	Next Scheduled EDR Contact: 05/08/2023
	Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/16/2022	Telephone: 860-424-3375
Date Made Active in Reports: 02/06/2023	Last EDR Contact: 02/10/2023
Number of Days to Update: 82	Next Scheduled EDR Contact: 05/22/2023
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 03/30/2023
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/17/2023
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/13/2022
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NOT REPORTED
NOT REPORTED
SEASIDE, CA 93955

TARGET PROPERTY COORDINATES

Latitude (North): 36.644761 - 36° 38' 41.14"
Longitude (West): 121.814101 - 121° 48' 50.76"
Universal Tranverse Mercator: Zone 10
UTM X (Meters): 606010.2
UTM Y (Meters): 4055918.2
Elevation: 173 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 12021485 MARINA, CA
Version Date: 2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

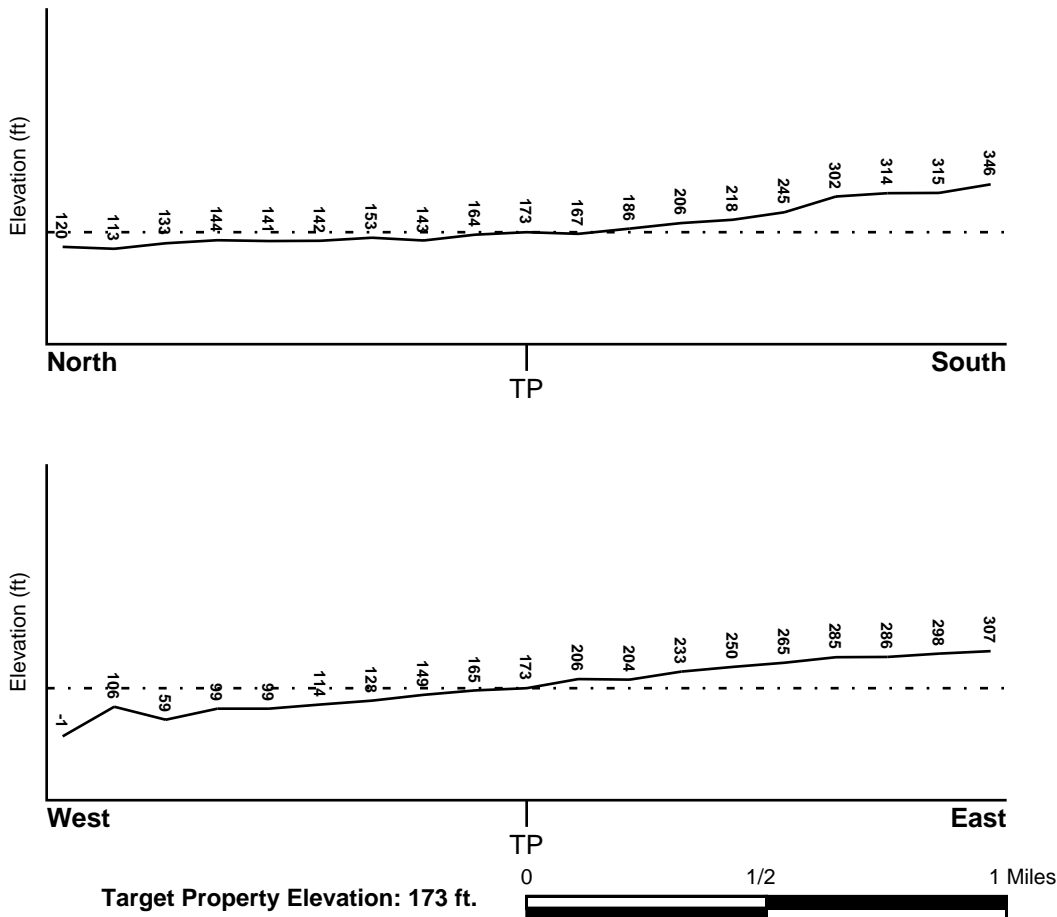
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06053C0190G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06053C0195G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
MARINA	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

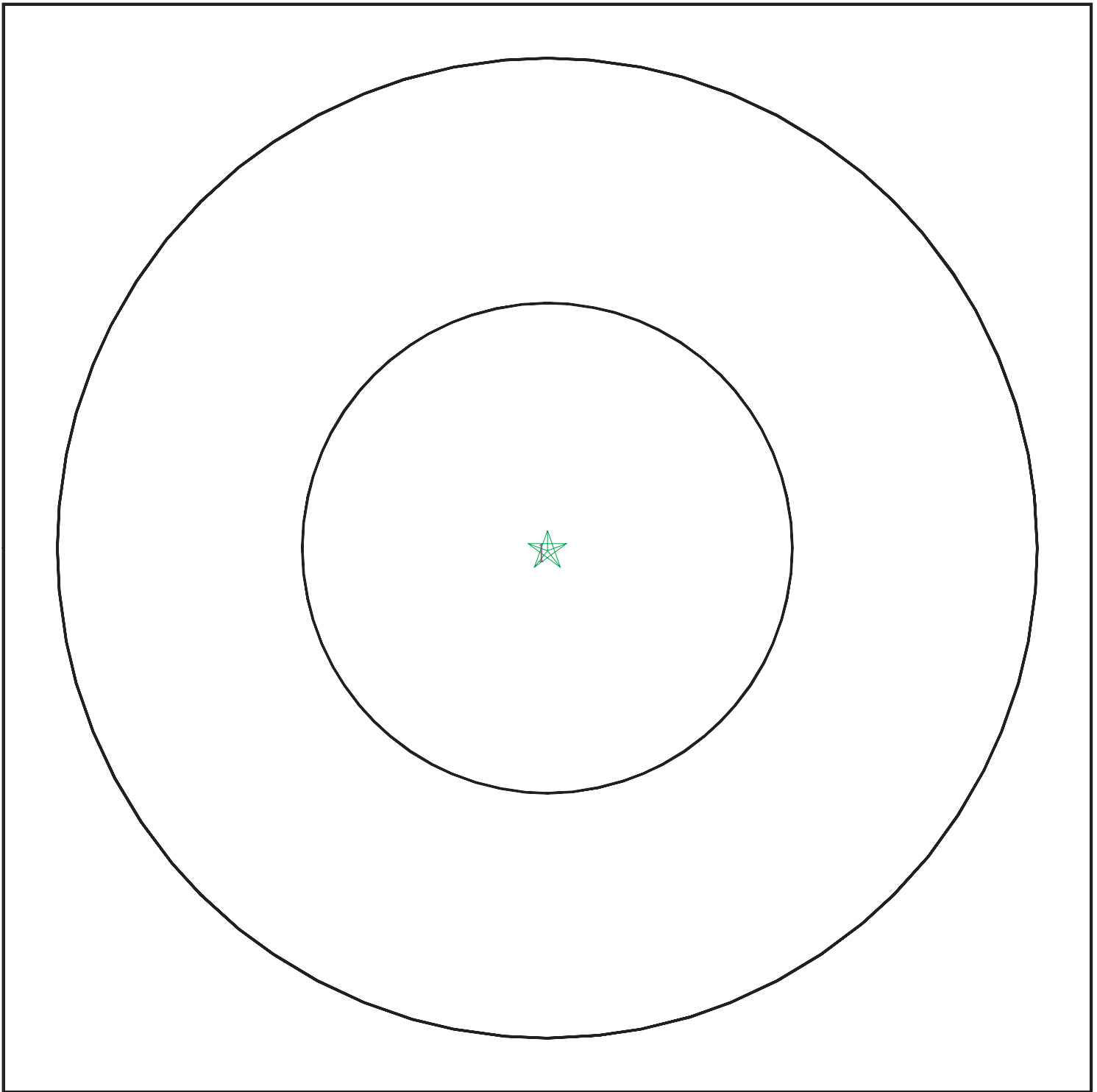
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (<i>decoded above as Era, System & Series</i>)

GEOLOGIC AGE IDENTIFICATION

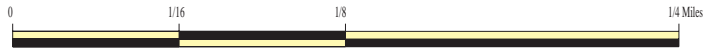
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7299418.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Not Reported
ADDRESS: Not Reported
Seaside CA 93955
LAT/LONG: 36.644761 / 121.814101

CLIENT: Kimley Horn & Associates, Inc.
CONTACT: Kiana Graham
INQUIRY #: 7299418.2s
DATE: April 05, 2023 9:49 am

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Oceano

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	79 inches	loamy sand	Not reported	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 6.5 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

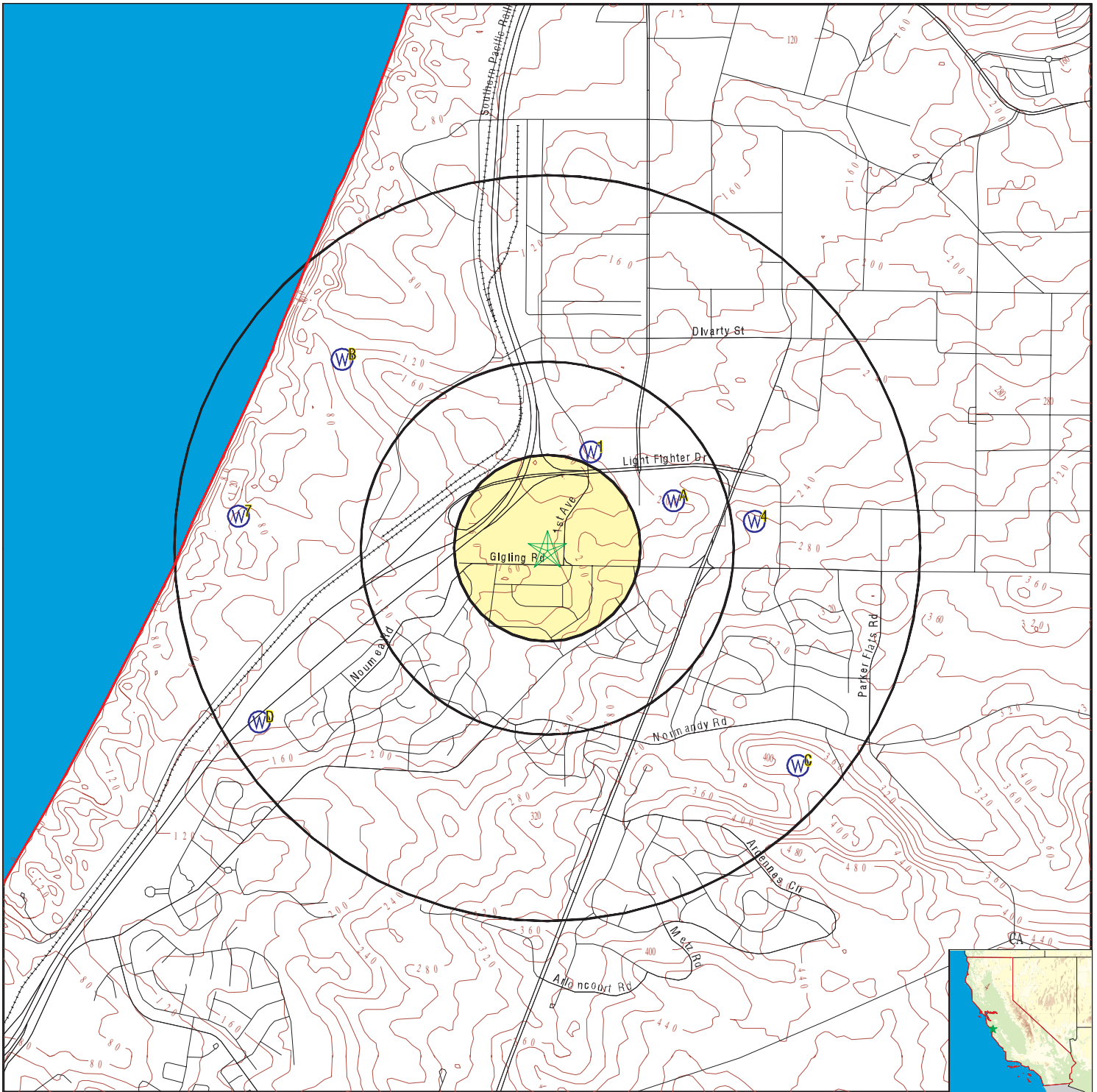
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR9000029017	1/4 - 1/2 Mile NNE
A2	CADWR9000028929	1/4 - 1/2 Mile ENE
A3	CADWR9000028928	1/4 - 1/2 Mile ENE
4	CAEDF0000041483	1/2 - 1 Mile East
B5	CADWR9000029046	1/2 - 1 Mile NW
B6	CADWR9000029047	1/2 - 1 Mile NW
7	CADWR9000028923	1/2 - 1 Mile West
C8	CADWR9000028834	1/2 - 1 Mile SE
C9	CADWR9000028835	1/2 - 1 Mile SE
D10	CADWR9000028841	1/2 - 1 Mile WSW
D11	CADWR9000028842	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7299418.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Not Reported
 ADDRESS: Not Reported
 Seaside CA 93955
 LAT/LONG: 36.644761 / 121.814101

CLIENT: Kimley Horn & Associates, Inc.
 CONTACT: Kiana Graham
 INQUIRY #: 7299418.2s
 DATE: April 05, 2023 9:49 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNE
1/4 - 1/2 Mile
Higher **CA WELLS** **CADWR9000029017**

State Well #:	Not Reported	Station ID:	51518
Well Name:	MW-BW-22-180	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

A2
ENE
1/4 - 1/2 Mile
Higher **CA WELLS** **CADWR9000028929**

State Well #:	Not Reported	Station ID:	46753
Well Name:	MPWMD #FO-10-Deep	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	1420	Well Completion Rpt #:	442738

A3
ENE
1/4 - 1/2 Mile
Higher **CA WELLS** **CADWR9000028928**

State Well #:	Not Reported	Station ID:	46752
Well Name:	MPWMD #FO-10-Shallow	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	650	Well Completion Rpt #:	442738

4
East
1/2 - 1 Mile
Higher **CA WELLS** **CAEDF0000041483**

Well ID:	L10006198832-MW-10-04-180	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10-04-180
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=L10006198832&assigned_name=MW-10-04-180&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=L10006198832&assigned_name=MW-10-04-180		

B5
NW
1/2 - 1 Mile
Lower **CA WELLS** **CADWR9000029046**

State Well #:	Not Reported	Station ID:	47429
Well Name:	CDM MW-1 Beach	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	140	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B6
NW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000029047

State Well #:	Not Reported	Station ID:	51511
Well Name:	Sentinel MW #1	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

7
West
1/2 - 1 Mile
Lower

CA WELLS CADWR9000028923

State Well #:	Not Reported	Station ID:	51512
Well Name:	Sentinel MW #2	Basin Name:	Seaside
Well Use:	Observation	Well Type:	Single Well
Well Depth:	0	Well Completion Rpt #:	Not Reported

C8
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000028834

State Well #:	Not Reported	Station ID:	47267
Well Name:	MPWMD #FO-08-Shallow	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	790	Well Completion Rpt #:	Not Reported

C9
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000028835

State Well #:	Not Reported	Station ID:	47268
Well Name:	MPWMD #FO-08-Deep	Basin Name:	Monterey
Well Use:	Observation	Well Type:	Single Well
Well Depth:	950	Well Completion Rpt #:	Not Reported

D10
WSW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000028841

State Well #:	Not Reported	Station ID:	46750
Well Name:	MPWMD #FO-09-Shallow	Basin Name:	Seaside
Well Use:	Observation	Well Type:	Single Well
Well Depth:	660	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

D11
WSW
1/2 - 1 Mile
Lower

CA WELLS CADWR9000028842

State Well #:	Not Reported	Station ID:	46751
Well Name:	MPWMD #FO-09-Deep	Basin Name:	Seaside
Well Use:	Observation	Well Type:	Single Well
Well Depth:	840	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93955	85	0

Federal EPA Radon Zone for MONTEREY County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93955

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.450 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix E Historical Records

Appendix F Historical Records



REPLY TO
ATTENTION OF

DAIM-BD-H

DEPARTMENT OF THE ARMY
HAMPTON FIELD OFFICE, ARMY BASE REALIGNMENT AND CLOSURE
3A BERNARD ROAD
FORT MONROE VIRGINIA 23651

August 15, 2005

MEMORANDUM FOR: Assistant Chief of Staff for Installation Management, 600 Army
Pentagon, Washington, D.C. 20310-0600

SUBJECT: Finding of Suitability to Transfer (FOST) 9 at Former Fort Ord

1. Enclosed for your records: FOST 9 to transfer approximately 1,894 acres at the Former Fort Ord. The document received Installation, Regulatory, Public, and Hampton Field Office legal and environmental review. It is signed by the Director of the BRAC-Hampton Field Office.
2. Hampton Field Office point of contact is Ms. Judy Johnston, DSN: 680-3845 or Commercial (757) 788-3845.

Enclosure

A handwritten signature in cursive script that reads "Thomas E. Lederle".

THOMAS E. LEDERLE

Director, Base Realignment and Closure
Hampton Field Office

CF: (w/encl)
HQDA (DAIM-BD)
CDR, USACE (CESPK-RE-M, Liz Easley)
DAIM-BD-OR (Karen Fisbeck)

For ECP Category 2 Parcels:

The portion of the Property in ECP Category 2 has been identified as real property on which no hazardous substances were released or disposed of, but on which petroleum products or their derivatives are known to have been released or disposed of. Notice is hereby provided that diesel fuel was released from a 4,000-gallon underground storage tank on the Property, which was operated from approximately 1976 to 1990.

Based on the above information, I conclude that all response actions necessary to protect human health and the environment with respect to any petroleum product remaining on the Property have been taken prior to the date of this conveyance. In addition, all Department of Defense (DOD) requirements to reach a Finding of Suitability to Transfer have been met for the Property, subject to the terms and conditions set forth in the Environmental Protection Provisions (Attachment 5) that shall be included in the deed for the Property. The deed will also include the Notice of Release or Disposal of Petroleum Products, Covenant, and Access Provisions and Other Deed Provisions, including a clause granting the US EPA and the DTSC access to the Property in any case in which a response or corrective action is found to be necessary after the date of transfer. Finally, the petroleum product notification (Table 7 – Notification of Petroleum Product Storage, Release, or Disposal [Attachment 3]) shall be included in the deed as required under DOD FOST Guidance.

For ECP Category 3 and 4 Parcels:

Based on the above information, I conclude that all removal or remedial actions necessary to protect human health and the environment have been taken and the portion of the Property in ECP Categories 3 and 4 is transferable under CERCLA section 120(h)(3). In addition, all Department of Defense requirements to reach a Finding of Suitability to Transfer have been met for the Property, subject to the terms and conditions set forth in the Environmental Protection Provisions (Attachment 5) that shall be included in the deed for the Property. The deed will also include the CERCLA 120(h)(3) Notice, Covenant, and Access Provisions and Other Deed Provisions, including a clause granting the US EPA and the DTSC access to the Property in any case in which a response or corrective action is found to be necessary after the date of transfer. Finally, the hazardous substance notification (Table 6 – Notification of Hazardous Substance Storage, Release, or Disposal [Attachment 3]) shall be included in the deed as required under the CERCLA Section 120(h) and DOD FOST Guidance.

AUG 15 2005



Thomas E. Lederle
Director, Hampton Field Office
Army BRAC

AUG 11 2005



Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Gavin Newsom
Governor

July 10, 2020

Ms. Angeles Herrera
Assistant Director
Federal Facilities and Site Cleanup Branch, EPA Region 9
75 Hawthorne Street (MC: SFD-8)
San Francisco, California 94105

CONCURRENCE WITH THE PROPOSED PARTIAL DELETION OF PROPERTIES AT THE FORT ORD SUPERFUND SITE FROM THE NATIONAL PRIORITIES LIST

Dear Ms. Herrera:

The Department of Toxic Substances Control (DTSC) has reviewed the Remedial Action Summary Report, Fort Ord, California dated June 2020.

The U.S. Army identified 13,394 acres of the 27,827 acres at the Fort Ord Superfund Site where all appropriate response actions have been implemented to remediate groundwater and soil contamination, as well as explosive safety hazards presented by military munitions, to protect human health and the environment. DTSC concurs with the Army's evaluation of these properties. As with any remediation, if previously unidentified contamination is discovered at the properties, additional assessment, investigation, and/or cleanup may be required.

We understand the U.S. Environmental Protection Agency is prepared to proceed with deletion of these remediated properties from the National Priorities List (NPL). DTSC concurs with the proposed deletion of the 13,394 acres from the NPL, as identified in the Remedial Action Summary Report.

Ms. Angeles Herrera
July 10, 2020
Page 2

DTSC appreciates the opportunity to participate in this important decision. If you have any questions, please contact Brett Leary, at (916) 255-4988, or at Brett.Leary@dtsc.ca.gov, or Min Wu, at (916) 255-3621, or at Min.Wu@dtsc.ca.gov.

Sincerely,

Charlie Ridenour
Branch Chief
Site Mitigation and Restoration Program
Department of Toxic Substances Control

cc: (Via email)

Ms. Maeve Clancy
U.S. Environmental Protection Agency, Region 9
Clancy.Maeve@epa.gov

Ms. Suzanne Pyatt
U.S. Environmental Protection Agency, Region 9
Pyatt.Suzanne@epa.gov

Mr. William Collins
Fort Ord Base Realignment and Closure Office
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Mr. Min Wu, Ph.D. – DTSC
Min.Wu@dtsc.ca.gov

Remedial Action Summary Report Fort Ord, California

June 2020

Prepared for

U.S. Department of the Army
Base Realignment and Closure
Fort Ord Field Office

Prepared by

U.S. Army Corps of Engineers
Sacramento District

Remedial Action Summary Report

Fort Ord, California

June 2020

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1. Introduction and Overview

The purpose of this Remedial Action (RA) Summary Report is to provide information to support partial deletion of the Fort Ord Superfund Site in California, from the National Priorities List (NPL). The report is provided to U.S. Environmental Protection Agency (EPA) to develop a basis for partial site deletion.

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. In making such a determination pursuant to 40 CFR 300.425(e), EPA will consider, in consultation with the State, whether any of the following criteria have been met:

- i. responsible parties or other persons have implemented all appropriate response actions required;
- ii. all appropriate Fund-financed response under CERCLA has been implemented, and no further response action by responsible parties is appropriate; or
- iii. the remedial investigation has shown that the release poses no significant threat to public health or the environment and, therefore, the taking of remedial measures is not appropriate.

Fort Ord, California, was placed on the NPL by EPA on February 21, 1990, 55 Federal Register at page 6154. The EPA site identification number is CA7210020676. United States Department of the Army (Army) Base Realignment and Closure (BRAC) has identified portions of the Fort Ord Superfund Site where the Army has implemented all appropriate response actions required under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended. This RA Summary Report describes the completed RAs to support deletion of portions of the Fort Ord Superfund Site from the NPL. This RA Summary Report was prepared consistent with *Close Out Procedures for National Priorities List Sites* (EPA, 2011) and other guidance. Parcels identified for partial deletion are listed in Table 2 and shown in Figure 2. A list of acronyms is provided in Appendix A. An Administrative Record Index is provided in the docket.

As required under CERCLA Section 120, the Army, EPA, California Department of Health Services (now represented by California Department of Toxic Substances Control [DTSC]), and California Regional Water Quality Control Board (RWQCB) Central Coast Region entered into a Federal Facility Agreement (FFA) for Fort Ord, which became effective on November 19, 1990 (Army, et al., 1990). Under the 1990 FFA, the Army was designated as the lead agency, and EPA, DTSC, and RWQCB were established as regulatory agencies for the Superfund process at Fort Ord. The signatories to the 1990 FFA make up the Fort Ord BRAC Cleanup Team (BCT). The RAs were conducted by the Army based on the 1990 FFA.

Following the base closure decision in 1991, the Army began investigating and conducting removal actions to address explosives safety hazards associated with munitions and explosives of concern (MEC), including unexploded ordnance (UXO). In April 2000, an agreement was signed between the Army, EPA, and DTSC to evaluate military munitions and perform military munitions response activities at the former Fort Ord subject to the provisions of the Fort Ord FFA. The Munitions Response Remedial Investigation/Feasibility Study (RI/FS) program was initiated in 1998.

In 2007, the Army and Fort Ord Reuse Authority (FORA) entered into an Environmental Services Cooperative Agreement (ESCA) (Army, 2007a), under which the Army provided funds

for FORA to conduct all response actions (except for those responsibilities the Army has retained) and to obtain regulatory closure for an approximately 3,300 acres of the former Fort Ord. An Administrative Order on Consent (AOC) was entered into by FORA, EPA, and DTSC for oversight of environmental response actions by FORA under the ESCA. The effective date for the AOC was July 25, 2008 (EPA et al., 2008). The AOC (which continues to be in effect) concerns the preparation and performance by FORA of potential removal actions, Remedial Investigations (RIs) and Feasibility Studies (FSs), and remedial designs (RDs) and RAs for MEC present on portions of the former Fort Ord, and the reimbursement for future response costs incurred by EPA and DTSC in connection with such CERCLA response actions. Under the AOC, FORA is also responsible for providing information to the public explaining activities at the former Fort Ord being performed under the AOC. The underlying properties were transferred to FORA in 2009 under the Early Transfer authority. Amendment No. 1 to the FFA effective July 26, 2007 (Army et al., 2007) reflects FORA's assumption of the Army's cleanup responsibilities for the ESCA parcels, except for those responsibilities which the Army has retained. The FFA Amendment No. 1 also provides that the Army and/or EPA will continue to be responsible for the selection of response actions for the Early Transfer Property in accordance with CERCLA Section 120(e)(4)(A). In the event EPA, in consultation with DTSC, determines FORA is in default, the Army will complete the response actions in accordance with the terms and conditions of the 1990 FFA and the FFA Amendment No. 1. The EPA is the lead regulatory agency (Army et al., 2007) for FORA's ESCA Remediation Program, which is subject to the AOC.

The remedy selection process for all of the ESCA properties was completed in September 2018. FORA completed the initial implementation of the selected remedies (land use controls [LUCs]). EPA certified the completion of the remedial actions in February 2019. On the basis of FORA's submittal of *Site-Wide Remedial Action Completion Report, FORA Environmental Services Cooperative Agreement (ESCA) Remediation Program, Former Fort Ord, California* (FORA, 2020), on April 14, 2020, EPA determined that the remedial action has been completed site-wide in accordance with the AOC (EPA, 2020). FORA is scheduled to expire as an entity on June 30, 2020. Based on the provisions made in the ESCA and the AOC, in February 2020 FORA identified the City of Seaside as the successor for the ESCA program. This transition process is planned to be completed prior to June 30, 2020.

The Army maintains the Fort Ord Administrative Record in the BRAC Office, Building 4463 Gigling Road, Ord Military Community (former Fort Ord). It contains Fort Ord decision documents, primary documents, and other supporting documents. It should be noted that the FFA provides that the draft-final primary document serves as the final primary document if no party invokes despite resolution within 30 days of its issuance. As such, at Fort Ord, draft-final documents without further comment or dispute are considered as final.

2. Site Background and Remedial Action History

Fort Ord Background

Fort Ord is located near City of Marina in Monterey County, California. The EPA site identification number is CA7210020676. Fort Ord was placed on the NPL by EPA on February 21, 1990, 55 Federal Register at page 6154, due to groundwater contamination.

Fort Ord is a former Army base located adjacent to Monterey Bay in northwestern Monterey County, California, approximately 80 miles south of San Francisco (Figure 1). The former base consists of approximately 28,000 acres adjacent to the cities of Seaside, Sand City, Monterey, and Del Rey Oaks to the south, and the city of Marina to the north. Highway 1 passes through the western part of Fort Ord, separating the beachfront portions from the rest of the base. Laguna Seca Recreation Area and Toro Regional Park also border Fort Ord to the south and southeast, respectively, and several small communities are located along Highway 68.

Beginning in 1917, Fort Ord served primarily as a training and staging facility for infantry troops. The Army originally bought the -present-day East Garrison and nearby lands on the eastern portion of Fort Ord in 1917 to use as a maneuver and training ground for field artillery and cavalry troops stationed at the Presidio of Monterey (POM). No permanent improvements were made until the late 1930s, when administrative buildings, barracks, mess halls, tent pads, and a sewage treatment plant were constructed. In 1938, additional agricultural property was purchased for the development of the Main Garrison. At the same time, the beachfront property was donated to the Army. The Main Garrison was constructed between 1940 and the 1960s, starting in the northwestern corner of the base and expanding southward and eastward. During the 1940s and 1950s, an area within the Main Garrison was utilized as a small airfield. In the early 1960s, construction of the Fritzsche Army Air Field (FAAF) was completed. The smaller Main Garrison airfield was then decommissioned, and its facilities were redeveloped as motor pools and other facilities. From 1947 to 1974, Fort Ord was a basic training center. The 7th Infantry Division was activated at Fort Ord on 21 October 1974 and occupied Fort Ord until base closure in 1994. The 7th Infantry Division was converted to a light division in 1983. Light infantry troops operate without heavy tanks, armor, or artillery. In 1991, Fort Ord was selected for closure; the post was officially closed in 1994.

The Army retains the Ord Military Community and the U.S. Army Reserve Center located at the former Fort Ord. The remainder of former Fort Ord was identified for transfer to Federal, State, and local government agencies and other organizations and, since base closure in September 1994, has been subjected to the reuse process. Future reuses of the land are designated in the *Fort Ord Base Reuse Plan* (FORA, 1997) as modified or updated, as well as *Installation-Wide Multispecies Habitat Management Plan for Fort Ord* (HMP; USACE, 1997). Over 19,000 acres of the former Fort Ord property have been transferred. A large portion of the Inland Training Ranges was assigned to the U.S. Department of the Interior, Bureau of Land Management (BLM). Other areas on the base have been, or will be, transferred through economic development conveyance, public benefit conveyance, negotiated sale, or other means. The major property recipients have been the BLM, California State Parks, California State University Monterey Bay (CSUMB), University of California, FORA, City of Marina, City of Seaside, and County of Monterey.

Operable Units and Remedies at Fort Ord

Remedial Investigations and RAs at the former Fort Ord have been performed and documented since 1986.

Based on reviews of historical records and various supporting investigations, *Final Basewide Remedial Investigation/Feasibility Study, Fort Ord, California* (Basewide RI/FS; HLA, 1995) was developed. The RI, which began in October 1991 following the base closure decision, consisted of two primary components: (1) basewide studies and (2) site investigations. Five basewide studies were conducted:

- Hydrogeologic Characterization
- Background Soil Investigation
- Storm Drain and Sanitary Sewer Investigation
- Surface Water Outfall Investigation
- Biological Inventory.

The Basewide RI/FS describes the future cleanup of hazardous and toxic waste (HTW) contamination in soil and groundwater media. The 43 Installation Restoration Program (IRP) sites at Fort Ord were categorized by the level and complexity of the contamination associated with each site. Three IRP sites were designated as Operable Units (OUs). The HTW sites are shown in Figure 3.

As part of Resource Conservation and Recovery Act (RCRA)/CERCLA integration and because Fort Ord properties were being transferred out of the Army, the RCRA facilities (solid waste management units [SWMUs]) were evaluated in 1995 and 1996. All but two of the originally identified 58 SWMUs were in areas investigated as part of the basewide RI/FS or identified as OUs under CERCLA. The two sites were subsequently closed under the RCRA process. Following additional investigation in 2001, *Draft Final Field Investigation and Data Review, Solid Waste Management Units, Fort Ord, California* (Harding ESE, 2002) identified no recommended further investigative sampling under the SWMU program.

The Army has been investigating and conducting Removal Actions at munitions response sites (MRSs) at Fort Ord since 1993. In 1998, the RI/FS for the Military Munitions Response Program (MMRP) was initiated. Munitions responses are conducted according to *Draft Final Ordnance and Explosives Remedial Investigation/Feasibility Study Work Plan, Former Fort Ord, Monterey County, California* (USACE, 2000). Identified MRSs were categorized into Tracks 0 through 3 based on similar MEC-related characteristics to expedite cleanup, reuse, and/or transfer of the property. The MMRP sites are shown in Figure 4.

These sites have been grouped into the remedial categories described below. Records of Decision (RODs) have been developed for each site or group to specifically address the risks.

- **Interim Action (IA) Sites** are those that have contaminated soil with a limited volume and extent and, as a result, the soils were excavated as an interim action. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, California* (IA Sites ROD; Army, 1994a) was developed in 1994.
- **No Action Sites** are those that require no action, either because no release of contaminants was identified at the site, or because the site activities are excluded under Superfund (e.g. underground storage tank [UST] remediation). *No Action Plug-In Record of Decision, Fort Ord, California* (No Action ROD; Army, 1995a) was developed in 1995.
- **Remedial Investigation (RI) Sites** are those with complex problems that require long-term remediation, development of a risk assessment, and an assessment of the applicable or relevant and appropriate requirements for cleanup.
 - *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California* (RI Sites ROD; Army, 1997b) was developed to address these sites and

includes groundwater remediation at Sites 2 and 12 (Sites 2/12).

- *Explanation of Significant Differences No. 1, Basewide Remedial Investigation, Sites 2 and 12, Former Fort Ord, California* (Army, 2016) was developed to include soil vapor extraction and treatment system to supplement the existing groundwater remedy and implementation of a soil gas monitoring program.
- Individual ROD was generated for soil remediation at Site 3 (*Interim Record of Decision, Site 3 Beach Trainfire Ranges, Fort Ord, California* [Army, 1997a]).
- A ROD Amendment was developed for Site 39 applicable to habitat reserve areas (*Final Record of Decision Amendment Site 39, Former Fort Ord, California* [Army, 2009]).
- **Operable Units (OUs)** are sites with complex cleanup remedial actions that are ongoing. These sites include:
 - OU 1, the FAAF Fire Drill Area, consisting soil contamination at the source and associated groundwater contamination, subject to *Record of Decision, Operable Unit 1, Fritzsche Army Airfield Fire Drill Area, Fort Ord, California* (OU1 ROD; Army, 1996); in a letter dated March 28, 2016, EPA concurred that all remedial actions have been implemented and completed (EPA, 2016);
 - OU 2, the Fort Ord Landfills, including the former landfill and associated groundwater contamination, subject to *Record of Decision, Operable Unit 2, Fort Ord Landfills, Fort Ord, California* (OU2 ROD; Army, 1994b); and
 - OU Carbon Tetrachloride Plume (OUCTP), the former vadose zone source area of carbon tetrachloride and associated groundwater plume, subject to *Record of Decision, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California* (OUCTP ROD; Army, 2007c).
- **MMRP Sites** have been undergoing munitions response actions designed to minimize the explosive safety risk to the public under designated future uses. The Impact Area Munitions Response Area (MRA) is a restricted MRS and is fenced and warning signs are posted. The majority of the other areas have undergone sufficient evaluations to be released for unrestricted use or released with LUCs. The MMRP sites are grouped into Tracks 0 through 3 and addressed in the following RODs:
 - *Final Record of Decision, No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California* (Track 0 ROD; Army, 2002a); several additional areas were approved for no action based on Track 0 plug-in approval memoranda;
 - *Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites, No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22), Former Fort Ord, California* (Track 1 ROD; Army, 2005); several additional areas were approved for no further action based on Track 1 plug-in approval memoranda;
 - *Record of Decision, Parker Flats Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California* (Track 2 Parker Flats MRA ROD; Army, 2008b);
 - *Record of Decision, Del Rey Oaks Munitions Response Area, Track 2 Munitions*

Response Site, Former Fort Ord, California (Track 2 Del Rey Oaks MRA ROD; Army, 2008c);

- *Final Record of Decision, Track 2 Munitions Response Site 34, Fritzsche Army Airfield Area, Former Fort Ord, California* (Track 2 MRS-34 ROD; Army, 2015b);
 - *Final Record of Decision, Track 2 Bureau of Land Management Area B and Munitions Response Site 16, Former Fort Ord, California* (Track 2 BLM Area B and MRS-16 ROD; Army, 2017b); and
 - *Final Record of Decision, Impact Area Munitions Response Area, Track 3 Munitions Response Site, Former Fort Ord, California* (Track 3 Impact Area MRA ROD; Army, 2008a). The Impact Area MRA consists of the 6,560-acre portion of the 8,000-acre historical Impact Area that is entirely within the Natural Resource Management Area (NRMA) described in the HMP, and is identified for transfer to BLM.
- **Early Transfer Property** - In connection with the early transfer of a portion of the former Fort Ord, FORA conducted munitions responses under the ESCA and the AOC. The ESCA areas were grouped into several MRAs and addressed in the following RODs:
 - *Record of Decision, Group 1 Seaside and Parker Flats (Phase II) Munitions Response Areas, Former Fort Ord, California* (ESCA Group 1 ROD; Army, 2018a);
 - *Record of Decision, Group 2 California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, California* (ESCA Group 2 ROD; Army, 2015a);
 - *Record of Decision, Group 3 Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, California* (ESCA Group 3 ROD; Army, 2014);
 - *Record of Decision, Group 4 Future East Garrison Munitions Response Area, Former Fort Ord, California* (ESCA Group 4 ROD; Army, 2018b); and
 - *Record of Decision, Interim Action Ranges Munitions Response Area, Former Fort Ord, California* (ESCA IAR MRA ROD; Army, 2017a).

The remedy selection process for the Early Transfer Property was completed in September 2018. FORA has completed the initial implementation of the selected remedies (LUCs). EPA certified the completion of the remedial actions in February 2019. On the basis of *Site-Wide Remedial Action Completion Report, FORA Environmental Services Cooperative Agreement (ESCA) Remediation Program, Former Fort Ord, California* (FORA, 2020), on April 14, 2020, EPA determined that the remedial action has been completed site-wide in accordance with the AOC (EPA, 2020).

These selected RAs are largely complete. The remaining actions are groundwater cleanup under OU2, Sites 2/12, and OUCTP; OU2 landfill operation and maintenance; soil gas extraction and treatment at Sites 2/12; soil remediation in portions of Site 39; and munitions responses in portions of Track 2 BLM Area B and Track 3 Impact Area MRA. Key milestones and decision documents are listed in Table 1.

Environmental remediation sites and media identified for partial deletion are listed below and further described in Sections 4 and 5.

Hazardous and Toxic Waste sites - media to be deleted: soil

Interim Action Sites	No Action Sites	Remedial Investigation Sites
Site 1	Site 11	Site 2 and Site 12**
Site 8	Site 13	
Site 10	Site 18	Site 4
Site 14	Site 19	Sites 16 and 17
Site 15	Site 23	Site 25
Site 20	Site 26	Site 31
Site 21	Site 27	Site 33
Site 22	Site 28	Site 39 (specific HAs)
Site 24	Site 29	
Site 30	Site 35	
Site 32	Site 37	Sites with site-specific RODs
Site 34*	Site 38	Site 3
Site 34B	HA-79	OU1
Site 39A	HA-92	OU2 Area A
Site 39A HA-80/HA-85	HA-98	Operable Unit Carbon Tetrachloride Plume
Site 39B	HA-100	
Site 39B HA-161	HA-121	
Site 40*	HA-183	
Site 41		
OF-15		
OF-34/35		

*Excludes PFAS soil sampling areas.
 **Excludes soil-gas investigation area.

HA: historical area
 OF: outfall
 OU: operable unit
 PFAS: perfluoroalkyl substances
 ROD: record of decision

Military Munitions Response Program sites - media to be deleted: soil

Military Munitions Response Program Sites	Early Transfer Property
Track 0	ESCA Group 1 MRAs
Track 1	ESCA Group 2 MRA
Track 2 Parker Flats MRA	ESCA Group 3 MRAs
Track 2 Del Rey Oaks MRA	ESCA Group 4 MRA
Track 2 MRS-34 (FAAF)	ESCA Interim Action Ranges MRA

ESCA: Environmental Services Cooperative Agreement
 FAAF: Fritzsche Army Air Field
 MRA: munitions response area
 MRS: munitions response site

3. NPL Deletion Parcels

The Army has identified portions of the Fort Ord Superfund Site where all appropriate response actions have been implemented. Response completion was evaluated for each media: groundwater, soil, and military munitions.

Groundwater remedies for OU2, OUCTP, and Sites 2/12 have been determined to be operating properly and successfully (OPS), however, the groundwater cleanup levels and remedial action completion have not been achieved. Remedial action completion has been achieved at OU1, as described in the *Final Closeout Report, Operable Unit 1 Groundwater Remediation, Fritzsche Army Airfield Fire Drill Area, Former Fort Ord, California (HGL, 2017)*. Consistent with EPA guidance and policy, groundwater remedies are not included in the NPL deletion at this time.

There is no human health exposure to the contaminated groundwater. The A-Aquifer (the uppermost aquifer) is not used as a drinking water source. The Army's program to monitor and treat groundwater contamination in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer, as well as institutional controls to prevent unauthorized access to groundwater contamination plumes, prevent human exposure. Groundwater at Sites 2/12, OU2 and OUCTP currently is not used by residents within the Fort Ord area for domestic household purposes. Drinking water in the Fort Ord area is provided by Marina Coast Water District (MCWD) and is pumped from wells that are located east of the Sites 2/12, OU2 and OUCTP areas. These supply wells are screened in the Lower 180-Foot Aquifer or deeper aquifers. Groundwater within the Sites 2/12, OU2 and OUCTP areas is located in the Prohibition Zone of the Special Groundwater Protection Zone at the former Fort Ord, within which the installation of new supply wells is restricted by Monterey County. According to Monterey County Code Title 15 Section 15.08.140, a prohibition zone is an area overlying or adjacent to a contaminant plume where water well construction is prohibited and applications for water wells will not be accepted; therefore, direct contact groundwater exposure pathways for residents potentially exposed to groundwater from the Sites 2/12, OU2 and OUCTP areas are currently incomplete and are expected to remain so in the future.

The Army shares the groundwater remediation and monitoring data with MCWD. As a water purveyor, MCWD conducts water quality monitoring to ensure that the drinking water meets federal and state standards. The annual Consumer Confidence Report (available at mcwd.org) describes the detection of trichloroethene (TCE) in supply Wells 29, 30 and 31, and also in the Sand Tank and Intermediate Tank. MCWD continues to monitor the wells quarterly for TCE. Presence of groundwater contamination in underlying aquifers does not adversely affect the reuse of the property.

NPL Deletion Parcels

Parcels for which investigations and remedial actions are complete for soil and military munitions are identified for partial deletion. The deletion parcels are listed in Table 2 and shown in Figure 2. The deletion parcels make up 13,394 acres of the former Fort Ord.

Due to evolving science and policy regarding contamination due to perfluoroalkyl substances (PFAS) compounds, the parcels associated with OU1 are identified for partial deletion for soil only. The FAAF Former Fire Drill Area will be investigated for PFAS compounds in groundwater as recommended in the *Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California* (Ahtna, 2020). Investigation at the FAAF Fire Drill Area will be independent of the completed OU1 remediation and not associated with the OU1 ROD.

For Sites 2/12, the selected remedy included soil remediation at the source and remediation of a groundwater plume. The soil remediation is complete, and the property is available for unrestricted use other than the restriction on groundwater use. Groundwater treatment continues. A soil vapor extraction and treatment system (SVETS) is currently operating to address the presence of volatile organic compounds (VOCs) in soil gas as part of the groundwater remedy. The SVETS will cease operation when soil gas quality assurance project plan (QAPP) decision criteria have been met and a rebound study will be performed to confirm if chemical of concern (COC) concentrations in soil gas are stabilizing or declining. There is no human health exposure to the contaminated groundwater or soil gas. The properties at Sites 2/12 are included in the partial deletion with the exception of the soil gas investigation area.

Site 39 soil remedial actions encompass areas designated for future development and habitat reserve areas. Other than HA-18D and HA-23D, the Site 39 development areas are included in the partial deletion on the basis of completed RAs and post-remediation risk assessments. Within the Site 39 habitat reserve areas, four ESCA parcels that have been transferred to FORA are included in the partial deletion on the basis of completed RAs (Parcels E38, E39, E41 and E42).

As part of the remedial action at OU2, landfill Area A, located north of Imjin Road (renamed Imjin Parkway), was clean-closed. All landfill waste and contaminated soil in Area A were excavated, brought south of Imjin Road, and consolidated into the other landfill cells (Areas B through F). Parcels associated with the clean-closed OU2 Landfills Area A are included in the partial deletion.

Under the Munitions Response RI/FS program, all of the former Fort Ord properties have been evaluated for the potential for munitions hazards. The status of the MMRP is displayed on Figure 4. The partial deletion areas include all of the approved Track 0 (no action) areas. Most Track 1 areas (no further action) are included in the partial deletion. Track 2 MRS-34 (FAAF) is included in the partial deletion, as the site required no further action for munitions response.

There are parcels that were transferred prior to the initiation of the Munitions Response RI/FS program in 1998. These parcels were evaluated as part of the Community Environmental Response Facilitation Act (CERFA), Environmental Baseline Survey (EBS), and Finding of Suitability to Transfer (FOST) processes. The primary objective of CERFA is for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Several parcels were identified as having no evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives, and for which there is no evidence of the presence of other environmental, hazard, or safety concerns. Parcels with no evidence of hazardous substances but required evaluation for potential for the presence of UXO were identified as CERFA Qualified. The parcels were further evaluated in the EBS/FOST processes and transferred after receiving EPA concurrence for transfer under CERCLA Section 120(h)(4) or 120(h)(3). Parcel-specific information is provided in Table 2.

Track 2 Parker Flats MRA and Track 2 Del Rey Oaks MRA are included in the partial deletion. EPA has determined that remedial actions for munitions responses have been completed. For parcels that have been transferred, LUCs are being implemented. These sites will continue to be evaluated in future five-year reviews.

All of the properties subject to the ESCA and the AOC are included in the partial deletion except for: the areas of HA-18D and HA-23D (within the ESCA Group 1 Seaside MRA), where lead soil cleanup is pending.

Some properties associated with Track 2 MRS-34 (FAAF), Track 2 Del Rey Oaks MRA, the ESCA MRAs, and OUCTP had been transferred under the early transfer authority and, per CERCLA Section 120(h)(3)(C), the covenant of Section 120(h)(3)(A)(ii)(I) (that all remedial action necessary to protect human health and the environment has been taken prior to the transfer) was deferred at the time of early transfer of the properties. By February 2019, EPA has determined that all necessary remedial action has been taken. The Army will provide the CERCLA warranty of Section 120(h)(3)(C)(iii). The property transfer status is provided in Table 2. Deletion parcels for which CERCLA warranty is pending are listed in Table 3.

For parcels with LUC requirements as part of the selected remedy, such as the ESCA MRAs, the Army had entered into Covenants to Restrict the Use of Property (CRUP) with DTSC that document land use restrictions. These restrictions are in addition to the restrictions in property deeds. DTSC has modified several CRUPs to make them consistent with the selected remedies. CRUPs are recorded with the Monterey County.

Parcels that Remain on NPL

Parcels that remain on the NPL have pending additional evaluations or on-going remedial activities. These areas are displayed in Figure 2.

The *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate, Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California* (Ahtna, 2020) was developed in response to the requests from EPA and DTSC for additional information regarding potential presence of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) (PFAS compounds) at the former Fort Ord. It summarizes a basewide review of historical activities with the potential to cause PFOA and PFOS contamination in soil and groundwater at former Fort Ord sites. The draft final PFAS technical summary report is currently under review by regulatory agencies and is expected to be finalized by summer 2020. The locations of recommended PFAS soil investigations are not included in the partial deletion (Parcels S2.1.6, L5.1 and L5.1.8). Groundwater media is not included in the NPL deletion at this time. Preliminary assessment will be prepared and site inspection will be conducted to identify areas of concern following the finalization of the PFAS Technical Summary Report.

For Sites 2/12, the SVETS is operating to address the presence of VOCs in soil gas as part of the groundwater remedy. Once the soil gas QAPP criteria are met, the SVETS will cease operation and a rebound study will begin to confirm if COC concentrations in soil gas are stabilizing or declining. There is no human health exposure to the contaminated groundwater or soil gas. However, based on EPA guidance, the soil gas investigation area is not included in the partial deletion (Parcels E2b.2.1, E2b.2.2, E2b.2.5, and L12.3).

The Site 39 habitat reserve areas that have not been transferred remain on the NPL at this time, as there are remaining soil remedial actions pending completion of munitions response under the Track 3 ROD for the Impact Area MRA.

In September 2018, DTSC promulgated a new toxicity criterion for lead that limits the increase in blood lead levels to 1 µg/dL as specified in California Code of Regulations (CCR) Title 22, Section 69021 to attain the human health protection specified in Section 69022. The residual lead levels in Site 39 residential development areas where soil remediation had previously been completed were subjected to re-evaluation. As a result, additional soil remediation was identified in HA-18D and HA-23D. These areas have been delineated by a property survey and are not included in the partial deletion (portions of Parcels E23.1, E23.2 and E24).

Maintenance of the OU2 Landfills (Cells B through F) and restoration of associated groundwater contamination are ongoing. The main landfill area is not included in the partial deletion (Parcels E8a.1.1.1 and E8a.2).

The majority of the federal habitat reserve areas are not included in the partial deletion. Parcels F1.1.1, F1.2 and F1.3 include Track 1 areas (no further action) as well as areas subject to remedial action under the Track 2 ROD for BLM Area B and MRS-16. These parcels are not included in the partial deletion. The Track 3 Impact Area MRA, where the remedial action is underway, occupies parcels F1.13, F1.13.1 and F1.7.4.

4. Site-Specific Information: HTW Sites

Information on HTW sites that are identified for partial deletion is provided below. HTW sites are shown on Figure 3. Reference documents specific to the site summaries are listed at the end of each subsection.

Please note that Figure 1 shows current configurations of major roads in the Fort Ord vicinity. As reuse progressed, road names and alignments have been adjusted. Site summaries may refer to road names that existed at the time of investigation. For detailed locations of sites and features, please refer to the documents referenced in the site summaries.

Interim Action Sites

The *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, California* (IAROD; Army, 1994) was developed to address immediate, imminent, and/or significant risks to human health and the environment posed by limited area of shallow contaminated surface soil at Fort Ord. It was understood that IA would be implemented before final remedial alternatives or cleanup levels for given chemicals were established, but a conservative approach would be used in developing soil cleanup levels to reduce the likelihood of further remedial actions at an IA area. The selected IA remedy included: excavation of limited quantities of shallow contaminated surface soil, followed by confirmation sampling and backfilling with clean fill; and soil treatment, recycling and/or disposal. The IAROD established the following criteria that a site must meet to qualify as an IA site and described the approval process for implementing IA:

- Contaminated soil generally consisting of sand and/or silty sand from fine to medium grain size;
- Groundwater is relatively deep (typically more than 60 feet below ground surface [bgs]);
- Contaminated soil is of limited extent, generally 500 to 5,500 cubic yards (cy);
- Contaminated soil to be excavated is not more than 25 feet bgs;
- Contamination is generally a result of routine operations;
- Chemicals in the contaminated soil are likely to be petroleum hydrocarbons, solvents, oils, metals, and pesticides.

For each proposed IA site, the process began with a site characterization investigation which included screening risk evaluation (SRE).

If a site met the IAROD criteria, an IA approval memorandum was submitted for regulatory agency approval. The public was notified that an approval memorandum was submitted, and again two weeks before work began. The IA was then implemented, and a confirmation report was prepared upon completion. If it was determined that the contamination was too extensive to be remediated under the IAROD criteria, then the site was further evaluated as an RI site.

The RAOs for IA sites are the reduction of immediate risks to human health and protection of groundwater. RAOs for the protection of human health from exposure to chemicals in contaminated soil at an IA area consider the following exposure routes: ingestion or dermal contact with contaminated soil, ingestion of contaminated soil or groundwater affected by chemicals leaching from contaminated soil, and the inhalation of dust created from contaminated soil. Achievement of the RAOs for the reduction of long-term human exposure to the contaminated soil through these pathways requires the establishment of allowable chemical concentrations in surface soils. Similarly, achievement of the RAOs for the protection of groundwater quality, as well as for the prevention of ingestion of contaminated groundwater, requires the establishment of allowable chemical concentrations in the soil that will not

adversely impact groundwater, if present. A conservative approach will be used to minimize the likelihood of future remedial actions. Risks to the ecosystem from the contaminated soil and proposed remedial action will be qualitatively assessed at each IA area.

Selected Remedy and Decision Documents

Two alternatives were developed for the IAROD: (1) No Action and (2) Excavation with Soil Treatment, Recycling, and/or Disposal. Alternative 2 was selected. The remedial action consisted of excavation of contaminated soil from the IA area and backfilling the excavation with clean material. Field screening analysis and laboratory confirmation samples were required to establish that contaminated soil had been removed prior to backfilling. Excavated soil would then be treated, recycled, or disposed of.

The IAROD described Fort Ord Soil Treatment Area (FOSTA), located at the 519th Motor Pool, as an approved destination for excavated soil. The FOSTA would serve as an area to store excavated IA soil pending waste classification as well as storage for soil until sufficient quantities are obtained for treatment of recycling; and as a treatment area for nonhazardous soil containing petroleum hydrocarbons and solvents. When appropriate, treated or untreated soil below health-based standards and classified as "inert" may be used as part of the OU2 landfill cap, as roadbase material, or as clean fill. Soil that cannot be treated at the FOSTA would be transported offsite using, where appropriate, a licensed hazardous waste hauler; such soil would be sent to a licensed treatment, storage, or disposal facility designed and approved to accept such wastes.

Response Actions

Response actions were implemented at several sites, as further described below. All RAOs as defined in the IAROD have been met and all response actions have been completed for the IA sites.

IRP Site	Confirmation Report Date	EPA Concurrence Date
Site 1	December 10, 1997	April 6, 1998
Site 8	August 26, 1996	April 14, 1997
Site 10	August 30, 1996	September 19, 1996
Site 14	February 12, 1996	March 7, 1997
Site 15	August 13, 1996	April 7, 1997
Site 20	July 1, 1996	July 28, 1997
Site 21	July 10, 1996	April 14, 1997
Site 22	May 22, 1996	September 19, 1996
Site 24	January 23, 1997	April 14, 1997
Site 30	February 20, 1996	April 14, 1997
Site 32	March 5, 1998	March 19, 1998
Site 34	September 8, 1998	February 5, 2002
Site 34B	September 22, 2003	January 10, 2012
Site 39A	February 10, 1998	February 5, 2002
Site 39A HA-80/HA-85	March 7, 2006	May 25, 2006
Site 39B	April 2, 1997	January 13, 1998
Site 39B HA-161	March 24, 2011	January 6, 2011
Site 40	January 2, 1997	January 31, 1997
Site 41	February 4, 1997	April 14, 1997
OF-15	September 3, 1998	March 16, 2005
OF-34/35	June 20, 1997	July 23, 1997

Site 1 – Ord Village Sewage Treatment Plant

Site Background

Site 1 is the former Ord Village Sewage Treatment Plant in the southwest corner of Fort Ord within the coastal dunes. Sewage treatment operations ceased in 1964 and the facility was then used as a sewage pump station. Potential COCs include petroleum hydrocarbons, VOCs, semi-volatile organic compounds (SVOCs), mercury and other metals, fecal coliform, and nitrates (Army, 2002). The parcel associated with Site 1 that is included in the partial deletion is S3.1.1.

Remedial Investigation and Feasibility Study

The Remedial Investigation at Site 1 investigated the chlorine tank, the sanitary sewer system, the aboveground storage tank (AST), and the sludge-drying beds. Field work included the following:

- Drilling and sampling 10 soil borings
- Drilling, installing, and sampling three groundwater monitoring wells (note that monitoring wells have since been destroyed in 2002)
- Conducting a groundwater-level tidal influence study
- Conducting exploratory trenching at the former trickling filter locations
- Collecting and analyzing three surface samples of the sewage residue in the sludge-drying beds
- Hand-augering two borings in the holding ponds
- Hand-augering three borings in the former trickling filters

Elevated levels of total petroleum hydrocarbons (TPH) and bis(2-ethylhexyl) phthalate (BEHP) above the preliminary remediation goal (PRG) were found in surface soil samples. Mercury was detected in soil samples in the former trickling filter area at values exceeding the Fort Ord background concentrations and the PRG. Concentrations of thallium, antimony, cadmium, nitrate, chloride, and total dissolved solids exceeded maximum contaminant levels (MCLs) in one or more groundwater samples (HLA, 1996).

The SRE identified potential health risks of exposure to mercury may be unacceptably high at Site 1. Results of quantitative groundwater modeling show that no significant impact from contaminated soil was expected to groundwater quality. The ecological risk assessment (ERA) indicated that adverse impacts to flora and fauna at the site are unlikely (HLA, 1996).

Based on data from the investigation, the soil at the former trickling filter area and from the holding pond area was recommended for removal and excavation under the IAROD process at Fort Ord. Three groundwater monitoring wells at Site 1 were also recommended for inclusion in the Basewide Groundwater Monitoring Program.

Response Actions

The estimated excavation volume for the site was 200 cy to a depth of 6 feet bgs in the vicinity of the trickling filters and 350 cy to a depth of 2 feet bgs at the location of the holding pond. The Army submitted an Approval Memorandum on May 9, 1997 for plug-in of Site 1 with the IAROD and proposed excavation (Army, 1997). The EPA concurred on May 14, 1997 (EPA, 1997).

A total of 862 cy of soil was removed from the two excavation areas at Site 1. The trickling filter excavation encompassed an approximately 40 by 45-foot area, for a total volume of approximately 400 cy. The holding pond excavation encompassed an approximately 40 by 70

foot area, for a total volume of approximately 450 cy. Results of confirmation samples collected at the excavation area of the trickling filter were above the mercury PRG concentration. Approximately 12 cy of additional soil were subsequently removed and additional confirmation samples did not have concentrations of mercury above the detection limit. Confirmation samples were also collected at the excavation area of the holding pond and all results were either below the laboratory reporting limit or their respective target cleanup concentrations (TCCs). Based on the results of the composite samples collected from the excavated soil, the soil was used in the foundation layer of the OU2 Landfills engineered cover system (HLA, 1997).

Maximum detected left-in-place concentrations were 0.72 mg/kg for mercury, non-detect (ND) (0.51) mg/kg for BEHP, and 22 mg/kg for unknown TPH. Results of confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation is recommended (HLA, 1997).

The EPA concurred with the Site 1 IA Confirmation Report on April 6, 1998 (EPA, 1998).

In the Report of Quarterly Monitoring - October 1998 through September 1999, Site 1 was removed from the sampling program after the June 1998 sampling event (HLA, 2000).

Cleanup Levels

The TCCs for Site 1 were:

- Mercury - 20 mg/kg
- BEHP - 13 mg/kg
- Unknown TPH - 500 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 1. There are no additional actions found to be necessary for the soil at Site 1.

Document References

- Harding Lawson Associates (HLA), 1996. *Draft Final Site Characterization Site 1 – Ord Village Sewage Treatment Plan, Fort Ord, California*. August 26. AR# BW-1370
- HLA, 1997. *Interim Action Confirmation Report Site 1 – Ord Village Sewage Treatment Plan, Fort Ord, California*. December 10. AR# IAFS-199
- HLA, 2000. *Report of Quarterly Monitoring, October 1998 through September 1999, Fort Ord, California*. March 7. AR# BW-2064.
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1997. *Approval Memorandum Proposed Interim Action Excavations (Revision 1) Site 1 – Ord Village Sewage Treatment Plan, Fort Ord, California*. May 9. AR# IAFS-167
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1997. *EPA Response to Approval Memorandum for Proposed Interim Action Excavation (Revision 1) – Site 1*. May 14. AR# IAFS-174

- EPA, 1998. *EPA Response to Interim Action Confirmation Report Site 1*. April 6. AR# BW-1972

Site 8 - Range 49, Molotov Cocktail Range

Site Background

Site 8 was an undeveloped parcel at Inland Range 49, used as a former training area where troops practiced using Molotov cocktails. Contamination associated with Site 8 included flammable liquids (possibly leaded gasoline, transmission oil, and motor oil) in soil adjacent to the former location of two armored vehicles that were used as practice targets for the Molotov cocktails (Army, 2002). The parcel associated with Site 8 that is included in the partial deletion is E19a.4.

Remedial Investigation and Feasibility Study

The Remedial Investigation at Site 8 included excavating hydrocarbon-stained soil using hand-held shovels (HLA, 1992b). Based on the SRE (HLA, 1992a), the screening soil concentrations were developed: 1,200 mg/kg and 210 mg/kg for TPH as diesel (TPHd) and lead, respectively. The lead concentration measured in the Site 8 soil sample (39 mg/kg) was below the screening level. The TPH concentration measured in the Site 8 soil sample (4,200 mg/kg) had exceeded the screening level, indicating the need for remediation or further evaluation.

Site 8 is located within the habitat reserve. The IA Approval Memorandum (Army, 1994) described that based on an ecological assessment and biological clearances completed for Site 8, no endangered or threatened species will be adversely impacted by the proposed excavation activities. The PRG of 500 mg/kg for TPH will be used for this site.

Response Actions

The Army submitted an Approval Memorandum on June 4, 1994 for plug-in of Site 8 with the IAROD and proposed excavation (Army, 1994). The EPA concurred with the proposed excavation at the identified location on June 29, 1994 (EPA, 1994).

Excavation of visibly stained soil was completed in two phases to varying depth. 80 cy was excavated during Phase 1 and 22 cy was excavated during Phase 2. The soil was transported to the FOSTA. Based on confirmation sampling, all TCCs were met. The excavation was backfilled with clean soil (HLA, 1996).

Confirmation sampling was done to confirm that RAO criterion addressing human health risk had been achieved. Confirmation samples indicated the remaining TPH concentrations were a maximum of 260 mg/kg, less than the TPH TCC of 500 mg/kg (HLA, 1996).

A health risk evaluation was performed. The residual concentrations of all detected extractable TPH were below the PRG. No adverse impacts to human health or groundwater quality are expected to be associated with the residual levels of TPH. Based on the results of confirmation sampling and subsequent risk evaluation, no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on April 14, 1997 (EPA, 1997).

Cleanup Levels

The TCC for Site 8 was:

- TPH - 500 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 8. There are no additional actions found to be necessary for the soil at Site 8.

Document References

- Harding Lawson Associates (HLA), 1992. *Characterization Modification, Site 8, Range 49 Molotov Cocktail Range, Fort Ord, California*. November 6. AR# BW-1950
- HLA, 1996. *Interim Action Confirmation Report Site 8 –Range 49 (Molotov Cocktail Range), Fort Ord, California*. August 26. AR# BW-1501
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- Army, 1994. *Approval Memorandum Proposed Interim Action Excavation Site 8 – Range 49 (Molotov Cocktail Range) Fort Ord, California*. June 4. AR# IAFS-200
- U.S. Environmental Protection Agency (EPA), 1994. *EPA Response to Approval Memorandum Proposed Interim Action Site 8*. June 29. AR# IAFS-137
- EPA, 1997. *EPA Response to Approval Memorandum Site 8*. April 14. AR# IAFS-162

Site 10 – Burn Pit

Site Background and History

Site 10 is in the Main Garrison area of the former Fort Ord near the main gate. The site consisted of a burn pit in which petroleum hydrocarbons were ignited and extinguished for firefighting training and demonstrations during Fire Prevention Week each year. Although no construction record for the pit was found, it is believed to have been constructed soon after the fire station was built in the mid-1950s (Weston, 1990). The pit was approximately 45 feet long, 25 feet wide, and 2 feet deep. A 2-inch diameter pipe penetrated the southern wall of the pit and a drainage swale, apparently resulting from soil settlement after installation of the pipe, extended from the south side of the pit. The burn pit was filled with water and fuel, which was then ignited and extinguished using a foaming product. By 1991, the pit was no longer used and was grass-covered (EA, 1991). Fuels used for this purpose reportedly included off-specification jet fuel (JP-4), gasoline, diesel, and waste oil. After the training sessions, water and residual unburned fuel percolated into the soil at the bottom of the burn pit (HLA, 1996). There are no PFAS soil concerns at the site based on the response actions taken at the site. Further investigation is recommended for PFAS groundwater contamination; groundwater is not considered for deletion from the NPL.

The parcel associated with Site 10 that is included in the partial deletion is F2.3.3.

Remedial Investigation and Feasibility Study

The initial site characterization activities at Site 10 included drilling and sampling a single soil boring and installing and sampling three groundwater monitoring wells (note that all Site 10 wells have since been destroyed). Supplemental investigations consisted of soil gas sampling, installing and sampling piezometers and three additional groundwater monitoring wells, two

phases of surface soil sampling, drilling and sampling six soil borings, and an exploratory excavation of the drainage swale at the southern end of the burn pit. The depth to groundwater at the site was determined to be between 240 to 260 feet below ground surface and sampling did not indicate contaminant detections in any of the 6 wells at the site (HLA, 1995).

The soil gas investigation identified low levels of total hydrocarbons, benzene, toluene, ethylbenzene and xylene (BTEX), and tetrachloroethylene (PCE) in the vicinity of the burn pit. Organic compounds detected in soil samples included unknown hydrocarbons, VOCs, SVOCs, dioxins, and furans. Concentrations of inorganic chemicals in soil were below PRGs except for arsenic, beryllium, and lead, which were detected at concentrations exceeding PRGs in samples collected from within the burn pit and at depths less than 6 feet bgs (HLA, 1995).

An SRE was conducted based on the site characterization data (HLA, 1995). The SRE consisted of:

- Comparing concentrations of chemicals detected in soil at Site 10 with site- and chemical-specific health-based PRGs to evaluate the need for further action at the site.
- Evaluating potential impacts to groundwater.
- Providing a qualitative discussion of ecological receptors.

The results of the SRE indicated possible health risks associated with potential exposure to contaminants in soil. The results of a qualitative analysis indicate that site-related chemicals (SRCs) evaluated at Site 10 are not expected to impact groundwater if left in place at maximum detected site concentrations, except for unknown extractable TPH. However, the results also indicate no adverse impacts to groundwater are expected from soil concentrations of extractable TPH at or below the PRG of 500 mg/kg. Based on an ecological receptor exposure analysis conducted as part of the quantitative basewide ERA for Fort Ord, exposures of ecological receptors to chemicals at Site 10 are expected to be negligible (HLA, 1996).

Based on the results of the site characterization and SRE, the contaminated soil in the Site 10 burn pit area met the criteria for early soil excavation established as part of the IAROD. As such, the soil was recommended for excavation under the IAROD (HLA, 1996).

In 2020, the *Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California*, was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. Site 10 is recommended for further investigation for PFAS compounds for groundwater only (Ahtna, 2020). No additional soil investigation is recommended as impacted soils were excavated, transported offsite, and remediated in 1995. PFAS may have been present in the excavated soils, and prior to excavation precipitation and training activities could have caused downward leaching of PFAS to groundwater. Groundwater flow in the Upper 180-Foot Aquifer in this area is to the northeast toward the Fort Ord Landfills with hydraulic conductivities up to 366 feet per day. Particle tracking analysis using the Fort Ord groundwater model indicates PFAS entering the Upper 180-Foot Aquifer at Site 10 could have traveled as far as the Fort Ord Landfills within 30 years and potentially commingled with the OU2 TCE plume in the Upper 180-Foot Aquifer (Ahtna, 2020). Downgradient monitoring wells, part of the OU2 groundwater remedy, are recommended to be used to investigate PFAS (Ahtna, 2020). Groundwater is not included in the NPL deletion at this time.

Response Actions

The Army submitted an Approval Memorandum on April 19, 1995 for the proposed IA excavation at Site 10 (Army, 1995). The EPA concurred with the proposed action on May 4, 1999 (EPA, 1999). The IA was performed at Site 10 in July 1995 and required three excavations: one at the burn pit, one at the drainage swale, and one east of the burn pit. The excavation area was approximately 80 feet wide by 100 feet long to a maximum depth of 10 feet. 1,451 cy of soil were removed and treated at the FOSTA. After excavation was complete, 22 confirmation samples were collected from the excavation bottom and sidewalls. Analytical results indicated all TCCs for SRCs were met, and the excavation was backfilled with clean soil (HLA, 1996).

Results of the IA confirmation sampling indicated soils with concentrations of SRCs above their respective TCCs were removed, and results of the confirmation sampling and subsequent health risk evaluation indicated the RAO criterion for the protection of human health was achieved at Site 10.. Therefore, no further investigation or remediation is recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on September 19, 1996 (EPA, 1996).

Cleanup Levels

The TCCs for SRCs at Site 10 were:

- TPH – 500 mg/kg
- Chlorinated dibenzo-p-dioxins and dibenzo-p-furans – 1.20E-06 mg/kg
- Antimony – 27 mg/kg
- Arsenic – 0.87 mg/kg
- Beryllium – 0.39 mg/kg
- Cadmium – 8.1 mg/kg
- Lead – 240 mg/kg

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 10.

Determination that the Criteria for Deletion have been Met

The implemented remedy achieves the degree of cleanup or protection specified in the IAROD for the deletion parcel and no further Superfund response is needed to protect human health and the environment.

Document References

- Ahtna Environmental, Inc. (Ahtna), 2020. *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California*. February 27. AR# OU2-722A
- EA Engineering, Science, and Technology (EA), 1991. *Draft Final Fort Ord, California, Base-Wide Remedial Investigation/Feasibility Study, Volume 1: Literature Review and Base Inventory Report*. March. AR# BW-0136

- Harding Lawson Associates (HLA), 1995. *Draft Final Data Evaluation and Recommendation Report, Site 10-Burn Pit, Fort Ord, California*. March 30. AR# BW-1711
- HLA, 1996. *Interim Action Confirmation Report, Site 10 – Burn Pit, Fort Ord, California*. August 30. AR# BW-1382
- Roy F. Weston, Inc. (Weston), 1990. *Enhanced Preliminary Assessment, Fort Ord, California*. December. AR# BW-2427
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1995. *Approval Memorandum, Proposed Interim Action Excavation, IA Area 10A, Site 10 Burn Pit, Fort Ord, California*. April 19. AR# IAFS-146
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Comments Re: Site 10-Burn Pit, Proposed Interim Action for Contaminated Surface Soil Remediation at Area 10A, Approval Memorandum*. May 4. AR# BW-1129
- EPA, 1996. *EPA Comments Subject: Remedial Action Completion Operable Unit #3, Site 10-Burn Pit, Fort Ord, California*. September 19. AR# BW-1384

Site 14 – 707th Maintenance Facility

Site Background

Site 14 was an approximately 19-acre area at the northwest corner of the intersection of 3rd Street and 6th Avenue in the Main Garrison. The site was used as a maintenance and fueling facility for military vehicles, beginning in the early 1950s. Potential areas of concern included soil associated with gasoline, diesel, and waste oil USTs; hazardous materials storage areas; grease racks; wash racks; and oil/water separators (Army, 2002). The parcels associated with Site 14 that are included in the partial deletion are L5.8.1, L23.4, S1.5.1.1, S1.5.2, and S1.7.

Remedial Investigation and Feasibility Study

Fifteen soil borings and one pilot boring were drilled and sampled, and one monitoring well was installed and sampled. Three borings were installed near the former waste oil UST. The pilot boring and monitoring well were drilled near a former fueling station. The remaining borings were drilled in areas near grease racks, oil/water separators, storage areas, and a wash rack. Along with the new groundwater monitoring well, three previously installed monitoring wells were also sampled as part of this investigation (HLA, 1994). Note that three monitoring wells have since been destroyed and one is still used for water level monitoring. Soil samples collected in the vicinity of the former waste oil UST contained detectable concentrations of PCE, unidentified VOCs, unknown petroleum hydrocarbons, and arsenic. Soil samples collected from one of the former grease racks contained detectable concentrations of chrysene, unknown petroleum hydrocarbons, and total recoverable petroleum hydrocarbons (TRPH) (Army, 1995). The results of the SRE indicated possible health risks associated with potential exposure to contaminants in soil (HLA, 1996).

Groundwater modeling indicated that no significant impacts to groundwater were expected from SRCs at Site 14. Exposure of ecological receptors to chemicals at Site 14 was expected to be negligible (HLA, 1994).

Based on the results of the RI/FS, this site was recommended for inclusion in the IAROD for excavation of shallow soil beneath the grease racks, and the soil in the area of the former waste oil UST at Building 4855 (HLA, 1994).

Response Actions

The Army submitted an Approval Memorandum on March 7, 1995 for plug-in of Site 14 with the IAROD and proposed excavation (Army, 1995). The total volume of excavated soil was estimated to be 555 cy at the former waste oil UST and 755 cy from the former grease rack (Army, 1995). The EPA concurred with the proposed excavation at the identified locations on April 3, 1995 (EPA, 1995).

Excavation at the location of the former UST was completed with a volume of approximately 700 cy. Four separate excavations were completed at the locations of the grease racks for an approximate total of 520 cy of soil excavated (for a total of 1,200 cy for Site 14). Based on confirmation sampling, excavated soil was treated at the FOSTA. The excavations were backfilled with clean fill (HLA, 1996).

Results of confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater is anticipated at this site. No further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on March 7, 1997 (EPA, 1997).

Cleanup Levels

TCCs for IA Area 14A were:

- Total unknown petroleum hydrocarbons - 500 mg/kg
- TRPH - 500 mg/kg
- PCE - 0.16 mg/kg
- Arsenic - 45 mg/kg

TCCs for IA Area 14B were:

- TRPH - 500 mg/kg
- Total unknown petroleum hydrocarbon - 500 mg/kg
- Chrysene - 15 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 14. There are no additional actions found to be necessary for the soil at Site 14.

Document References

- Harding Lawson Associates (HLA), 1994. *Draft Final Site Characterization Site 14 – 707th Maintenance Facility*. November 9. AR# BW-0839
- HLA, 1996. *Confirmation Report Site 14 – 707th Maintenance Facility, Fort Ord, California*. February 12. AR# BW-1517
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation Site 14 – 707th Maintenance Facility, Fort Ord, California*. March 7. AR# IAFS-141

- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Approval Memorandum Site 14*. April 3. AR# IAFS-111
- EPA, 1996. *EPA Response to Confirmation Report Site 14*. March 7. AR# BW-1615

Site 15 – Directorate of Engineering and Housing (DEH) Yard

Site Background

Site 15, the DEH Yard was an approximately 10-acre developed parcel in the Main Garrison. The site consisted mainly of administration buildings, with some areas used for light industry and/or storage. Potential sources and chemicals of contamination include PCBs associated with transformer storage, pesticide mixing, and two former USTs (Army, 2002). The parcels associated with Site 15 that are included in the partial deletion are L20.17.1 and S1.5.2.

Remedial Investigation and Feasibility Study

The Remedial Investigation focused on potential sources of PCB and pesticide contamination at the site. The investigation did not detect any PCBs at the site, the highest pesticide chlordane concentration was detected at 4,000 mg/kg in near-surface soil sampled immediately northeast side of Building T-4913 (HLA, 1995).

The SRE for the site determined that the potential health risks of exposure to SRCs may be significant. Groundwater modeling indicated that no significant impacts to groundwater are expected from SRCs detected at the site. The ERA indicated that exposures of ecological receptors to chemicals at Site 15 are expected to be of “possible” to “probable” concern because of the detected pesticides (HLA, 1995).

Response Actions

The Army submitted an Approval Memorandum on March 6, 1996 for plug-in of Site 15 with the IAROD and proposed excavation (Army, 1995). The soil area around Building T-4913 was to be excavated for an approximate volume of 975 cy to a depth of 5 feet and the soil around Building T-4914 will be excavated for an approximate volume of 185 cy to a depth of 2 feet (Army, 1995). The EPA concurred with the proposed excavation at the identified location on April 3, 1995 (EPA, 1995).

Initial excavation of the soil surrounding Buildings T-4913 and T-4914 was conducted in August 1995 and 860 cy of soil was removed. Confirmation samples were collected and showed chlordane concentrations above TCC. Additional 50 cy of soil was excavated in October 1995. A total of six confirmation samples were collected after the October 1995 excavation and no pesticides and PCBs were detected. Excavated soil was transported to the FOSTA and the excavation areas were backfilled with clean fill (HLA, 1996).

Results of confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on April 7, 1997 (EPA, 1997).

Cleanup Levels

The TCC for Site 15 was:

- Chlordane - 0.14 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 15. There are no additional actions found to be necessary for the soil at Site 15.

Document References

- Harding Lawson Associates (HLA), 1995. *Draft Final Site Characterization Site 15 – DEH Yard, Fort Ord, California*. February 22. AR# BW-1021
- HLA, 1996. *Confirmation Report Site 15 – Directorate of Engineering and Housing Yard, Fort Ord, California*. August 13. AR# BW-1515
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation Site 15 – Directorate of Engineering and Housing (DEH) Yard, Fort Ord, California*. March 6. AR# IAFS-139
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Approval Memorandum Site 15*. April 3. IAFS-112
- EPA, 1997. *EPA Response to Confirmation Report Site 15*. April 7. BW-1688

Site 20 – South Parade Ground, 3800 Motor Pool and 519th Motor Pool

Site Background

Site 20 is in the Main Garrison and consisted of the 9.5-acre South Parade Ground, the 27-acre troop training area west of the parade ground, the 6-acre 3800 Motor Pool, and the 20-acre 519th Motor Pool. Potential sources of contamination and areas of concern included the fenced storage compound and one former UST at the South Parade Ground; a potential landfill in the troop training area; oil/water separators, wash racks, grease racks, flammable materials storage area, and former UST at the 3800 Motor Pool; and vehicle repair facilities, flammable materials storage, wash rack, oil/water separator, and suspected UST at the 519th Motor Pool. The parcels associated with Site 20 that are included in the partial deletion are E15.1, L33.1, L33.2, and S1.6.

Remedial Investigation and Feasibility Study

The Remedial Investigation determined that the only debris disposed of at the site was construction debris in trenches at the suspected disposal sites. There was no evidence of additional suspected USTs. TPH was detected at a maximum concentration of 3,400 mg/kg near the former grease racks at the 3800 Motor Pool (HLA, 1995).

West and central grease racks at the 3800 Motor Pool was recommended for soil excavation because of the oil and grease concentrations above 500 mg/kg in soil, which may present a threat to groundwater. Based on groundwater modeling, results indicated that no significant impacts to the groundwater are expected from SRCs detected at Site 20. The ERA determined

that no complete exposure pathways for ecological receptors were identified at Site 20 because detected chemicals were beneath pavement (HLA, 1995).

Response Actions

The IA would address the concentrations of total recoverable petroleum hydrocarbons (TRPH) in the vicinity of the grease racks at the 3800 Motor Pool (HLA, 1995). The Army submitted an Approval Memorandum on June 1, 1995 for plug-in of Site 20 with the IAROD and proposed soil excavation. Approximately 250 cy soil in the vicinity of the grease racks would be excavated to a depth of 6 feet (Army, 1995). The EPA concurred with the proposed excavation at the identified location on June 8, 1995 (EPA, 1995).

Excavation of the soil surrounding the grease racks was completed with a total volume of excavated soil to be 320 cy. Excavated soil was stored in the FOSTA and, based on confirmation sampling, the excavation was backfilled with clean fill material (HLA, 1996).

Results of confirmation soil sampling indicated a maximum detected concentration of 220 mg/kg for oil and grease after excavation at the site. Results of confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on July 28, 1997 (EPA, 1997).

The FOSTA facility at the 519th Motor Pool was one of the approved destinations for soil excavated from IA sites. The FOSTA was designed as a bioremediation treatment facility constructed to accept soil from IA sites. Soil materials suitable for bioremediation were transported to the FOSTA, stockpiled and treated. Following the completion of treatment, the soils were subsequently excavated and transported to the OU2 Landfills for use as fill. The FOSTA consisted of a 200-ft by 200-ft rectangular lined and bermed treatment unit, consisting of a foundation layer, a high-density polyethylene (HDPE) liner, and operational layer. The treatment facility was operated from 1995 to 1998. The facility was removed and clean closure was completed in April 1999 as described in *Final Closure Report, Clean Closure Project, Former Fort Ord Soil Treatment Area (FOSTA), 519th Motor Pool, Fort Ord, California* (Uribe & Associates, 1999a).

The Underground Storage Tank Soil Remediation Area (USRA) was also located at the 519th Motor Pool, adjacent to the FOSTA. The USRA provided a low-cost enhanced bioremediation and aeration unit for treatment of soil containing petroleum hydrocarbons excavated during the removal of USTs as part of the base closure process at Fort Ord. The USRA consisted of a 200-ft by 100-ft rectangular lined and bermed treatment unit, consisting of a foundation layer, an HDPE liner, and operational layer. The USRA treatment unit was operated from 1995 to 1998. The facility was removed and clean closure was completed in April 1999 as described in *Final Closure Report, Clean Closure Project, Underground Storage Tank Remediation Area (USRA) 519th Motor Pool, Fort Ord, California* (Uribe & Associates, 1999b).

Cleanup Levels

TCCs for Site 20 were:

- TPHd – 500 mg/kg
- TPH as Oil and grease - 500 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 20. There are no additional actions found to be necessary for the soil at Site 20.

Document References

- Harding Lawson Associates (HLA), 1995. *Draft Final Site Characterization Site 20 – South Parade Grounds 3800 and 519th Motor Pools, Fort Ord, California*. May 1. AR# BW-1126
- HLA, 1996. *Interim Action Confirmation Report, Site 20 – South Parade Ground 3800 and 519th Motor Pools, Fort Ord, California*. July 1. AR# BW-1351
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation, Site 20 – South Parade Ground, 3800 and 519th Motor Pools, Fort Ord, California*. June 1. AR# IAFS-145
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Approval Memorandum Site 20*. June 8. AR# IAFS-116
- EPA, 1997. *EPA Response to Confirmation Report Site 20*. July 28. AR# BW-1251B
- Uribe & Associates, 1999a. *Final Closure Report, Clean Closure Project, Former Fort Ord Soil Treatment Area (FOSTA), 519th Motor Pool, Fort Ord, California*. Revision C. December. AR# BW-2057A
- Uribe & Associates, 1999b. *Final Closure Report, Clean Closure Project, Underground Storage Tank Remediation Area (USRA) 519th Motor Pool, Fort Ord, California*. Revision C. December. AR# BW-2057B

Site 21 – 4400/4500 Block Motor Pool East

Site Background

Site 21, the 4400/4500 Block Motor Pool East, was used for motor vehicle service, maintenance, and storage, and is located east of Eighth Avenue between Inter-Garrison and Gigling roads in the Main Garrison. Areas of concern at Site 21 include the oil/water separators located at the motor pool areas, a suspected gasoline spill in the decommissioned fuel facility, ponded areas where runoff wash water from utility racks accumulates, and an unpaved area near the canal discharge area, a catchment for rainwater and wash water from the adjacent motor pools (HLA, 1995). The parcel associated with Site 21 that is included in the partial deletion is F2.6.

Remedial Investigation and Feasibility Study

The Remedial Investigation recommended additional assessment of the soil conditions at the decommissioned fueling facility near Building 4493 due to the detections of TPH, benzene, and toluene detected in soil gas. Additional work near Building 4493 was recommended to be conducted under the Fort Ord UST program. Soil in the drainage canal and at the canal discharge area was recommended to be removed under the IAROD program due to

concentrations of antimony, arsenic, beryllium, cadmium, chromium, and lead exceeding the PRG and/or background values (HLA, 1995).

The SRE indicated that additional action at the canal discharge area might be necessary to address potential health risks at Site 21. Results of groundwater modeling indicate that no significant impacts to groundwater are expected from chemicals detected at Site 21. Results of the ERA indicate that exposures of ecological receptors to chemicals at Site 21 are of no concern.

Response Actions

The Army submitted an Approval Memorandum on February 27, 1995 for plug-in of site 21 with the IAROD and proposed excavation (Army, 1995). The Total estimated volume of excavated materials was approximately 90 cy. This estimate was based on excavating a 400-square foot area (20 feet by 20 feet) to a depth of 5 feet bgs (approximately 75 cy), the removal of an estimated 5 cy of sediment from the drainage canal, and the excavation of a 25 square-foot area (5 feet by 5 feet) to a depth of 2 feet (approximately 2 cy) around Surface Sample Location SS-21-08 (Army, 1995). The EPA concurred with the proposed action at the site on March 20, 1995 (EPA, 1995).

Excavation of soil at the discharge point of the canal was completed with a total of 154 cy to a depth of 7 feet. An adjacent excavation was completed to a depth of 3 feet for an approximate volume of 5 cy. Excavated soil was stored for treatment at the FOSTA and, based on confirmation sampling, the excavation was backfilled with clean material (HLA, 1996).

Results of confirmation soil sampling after excavation indicated levels below the TCC values: ND (antimony), 1.7 mg/kg (arsenic), 0.22 mg/kg (beryllium), 5.4 mg/kg (cadmium), and 26.1 mg/kg (lead). Results of confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on April 14, 1997 (EPA, 1997).

Cleanup Levels

The TCC for Site 21 were:

- Antimony - 27 mg/kg
- Arsenic - 0.87 mg/kg
- Beryllium - 0.39 mg/kg
- Cadmium - 8.1 mg/kg
- Lead - 240 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 21. There are no additional actions found to be necessary for the soil at Site 21.

Document References

- Harding Lawson Associates (HLA), 1995. *Draft Final Site Characterization, Site 21 – 4400/4500 Motor Pool, East Block, Fort Ord, California*. January 24. AR# BW-0970
- HLA, 1996. *Interim Action Confirmation Report Site 21 – 4400/4500 Motor Pool, East Block, Fort Ord, California*. July 10. AR# BW-1499
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation Site 21 – 4400/4500 Motor Pool, East Block, Fort Ord, California*. February 27. AR# IAFS-148
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Approval Memorandum Site 21*. March 20. AR# BW-1061
- EPA, 1997. *EPA Response to Confirmation Report Site 21*. April 14. AR# IAFS-161

Site 22 – 4400/4500 Block Motor Pool West

Site Background

Site 22, the 4400/4500 Block Motor Pool West, was used for motor vehicle service, maintenance, and parking, and is in the eastern portion of the Main Garrison. Potential areas of concern included 16 USTs, a fueling facility, maintenance shops, four grease racks, and three oil/water separators (Army, 2002). The parcels associated with Site 22 that are included in the partial deletion are L2.4.2, L32.2.1, L32.4.2, S1.1.3, and S1.3.1.

Remedial Investigation and Feasibility Study

The Remedial Investigation found concentrations of TRPH, total petroleum hydrocarbons as gasoline (TPHg), and TPHd up to 4,400 mg/kg near the fueling facility and former waste oil UST. Unknown hydrocarbons were detected at 8,500 mg/kg at the surface and oil grease was detected at 1,200 mg/kg at 5.5-foot sample near the former grease rack (HLA, 1995).

The results of the SRE indicated possible health risks associated with potential exposure to contaminants in soil. Results of groundwater modeling indicate that no significant impacts to groundwater are expected from SRCs detected at Site 22. The ERA determined that no complete exposure pathway for ecological receptors was identified at Site 22 because detected chemicals were beneath pavement or below the depth of plant roots. The Remedial Investigation recommended excavation and removal of soil at former grease rack under the IAROD (HLA, 1995).

Response Actions

The IA would address the concentrations of unknown extractable TPH and total oil and grease in the vicinity of the grease rack (HLA, 1995). The area under the grease rack was to be excavated to a depth of 5 feet and the area between the grease rack and the concrete pad to a depth of 10 feet for an estimated total volume of 250 cy. The Army submitted an Approval Memorandum on April 11, 1995 for plug-in of Site 22 with the IAROD and proposed excavation (Army, 1995). The EPA concurred with the proposed action at the site on June 13, 1995 (EPA, 1995).

Approximately 184 cy of soil was excavated from the proposed locations. Based on confirmation sampling, it was discovered that 150 cy of fill used following the removal of a UST in 1991 was contaminated with high levels of TRPH. An investigation was conducted to determine the extent of contamination from the backfill and from an adjacent surface spill. An additional 1,055 cy of

soil was excavated as a result of this investigation and additional confirmation sampling. The original excavated soil was stored in the FOSTA for treatment. Additional excavated soil with concentrations of TPHd, total petroleum hydrocarbons as motor oil (TPHmo), and TRPH above 500 mg/kg was transported to USRA for biotreatment. Soil with concentrations between 100 and 500 mg/kg was used in the foundation later of the OU2 Landfills engineered cover system, and soil with concentrations less than 100 mg/kg was used as backfill. The excavation was backfilled with clean material (HLA, 1996).

Results of confirmation sampling after excavation indicated left-in-place levels below the TCC values. The results of the confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on September 19, 1996 (EPA, 1996).

Cleanup Levels

The TCC for Site 22 were:

- Unknown extractable TPH - 500 mg/kg
- Total oil and grease - 500 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 22. There are no additional actions found to be necessary for the soil at Site 22.

Document References

- Harding Lawson Associates (HLA), 1995. *Draft Final Site Characterization Site 22 – 4400/4500 Motor Pool, West Block, Fort Ord, California*. June 9. AR# BW-1523
- HLA, 1996. *Interim Action Confirmation Report Site 22 – Motor Pool, West Block, Fort Ord, California*. May 22. AR# IAFS-131
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation Site 22 – 4400/4500 Motor Pool, West Block, Fort Ord, California*. April 11. AR# IAFS-147
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Approval Memorandum Site 22*. June 13. AR# IAFS-117
- EPA, 1996. *EPA Response to Confirmation Report, Site 22*. September 19. AR# IAFS-217

Site 24 – Old Directorate of Housing (DEH) Yard

Site Background

Site 24 was the location of the former DEH Yard and a former plant nursery within the Main Garrison. Areas within Site 24 that may have been potential sources of contamination included

a maintenance facility, a grease rack, drum and asphalt storage areas, aboveground tanks, and the nursery (Army, 2002). The parcels associated with Site 24 that are included in the partial deletion are L19.2, L32.3, L33.1, and S1.4.

Remedial Investigation and Feasibility Study

The Remedial Investigation discovered several corroded drums buried at a depth of 5 to 6 feet. One drum was tested to contain heavy motor oil. A Time-Critical Removal Action (TCRA) was conducted in 1994 (Army, 1994b). Following the removal of drums, concentrations of VOCs, SOCs, and unknown hydrocarbons in the soil beneath the drums was detected (HLA, 1995). Subsequent site characterization found that the concentrations exceeded their respective PRGs in the soil samples taken from the bottom of the excavation. In addition, pesticides were detected in surface soil in the nursery area and oil and grease and unknown hydrocarbons at locations of former ASTs and the grease rack. In addition, unknown hydrocarbons in the chromatographic range of diesel fuel were detected in groundwater at the maximum concentrations of 150 µg/L (HLA, 1996) and continued groundwater monitoring at MW-24-01-180, -02-180, and -03-180 was recommended to confirm the presence of unknown hydrocarbons.

The results of the SRE indicated possible health risks associated with potential exposure to contaminants in soil. Groundwater modeling indicated that no significant impacts to groundwater are expected from the SRCs at the site. The ERA indicated that adverse impacts are unlikely. Excavation and removal of soil under the IAROD was recommended for Site 24 (HLA, 1996).

Response Actions

The IA would address the chemicals at the former AST and grease rack, shallow soils in the central part of the site, and soil in the vicinity of the TCRA. Three areas were to be excavated at the site (24A, 24B, and 24C) with a total excavated volume to be 1,445 cy. The first excavation at the location of the former AST and grease rack to a depth of 5 feet and 280 cy, the second for the pesticide-contaminated surface soil to a depth of 1 foot and 385 cy, and the third at the location of the time-critical removal of the drums to be 15 feet deep and 680 cy (Army, 1996). The Army submitted an Approval Memorandum on February 7, 1996 for plug-in of Site 24 with the IAROD and proposed excavation (Army, 1996). The EPA concurred with the proposed action on April 9, 1996 (EPA, 1996).

Approximately 380 cy was excavated at the first location. Based on confirmation sampling, the excavated soil was used at the OU2 Landfills for the foundation layer in the engineered cover system. 500 cy was excavated at the second location in two phases based on confirmation sampling. Based on confirmation sampling, 400 cy of excavated soil was transported to the FOSTA and 100 cy was used at the OU2 Landfills for the foundation layer in the engineered cover system. 700 cy was excavated at the third location. Based on confirmation sampling, 560 cy exceeded the TPH TCC and was disposed of at the FOSTA. The remaining 140 cy was used at the OU2 Landfills for the foundation layer in the engineered cover system. Based on confirmation sampling, all three excavation locations were backfilled with clean fill material (HLA, 1997).

Results of confirmation sampling after excavation indicated left-in-place levels below the TCC values. The results of the confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1997).

The EPA concurred with the IA Confirmation Report on April 14, 1997 (EPA, 1997).

The three groundwater monitoring wells (MW-24-01-180, -02-180, and -03-180) were sampled for VOCs and TPH as diesel and motor oil as part of the Basewide Groundwater Monitoring Program until 2003. In the *Annual Report of Quarterly Monitoring, October 2002 through September 2003* (MACTEC, 2004), it was recommended that further sampling be discontinued and the monitoring wells be destroyed. The three monitoring wells were destroyed in 2011.

Cleanup Levels

The TCC for Site 24 were:

- Petroleum hydrocarbons - 500 mg/kg
- Pesticides and VOCs - varied as presented in the *Interim Action Confirmation Report, Site 24 – Old DEH Yard* (HLA, 1997)

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 24. There are no additional actions found to be necessary for the soil at Site 24.

Document References

- Harding Lawson Associates (HLA), 1994. *Removal Action Report, Time Critical Removal Action at Site 24 – The Old DEH Yard, Fort Ord, California*. October 19. AR# BW-1692
- HLA, 1996. *Draft Final Characterization Site 24 – Old DEH Yard, Fort Ord, California*. March 22. AR# BW-1367
- HLA, 1997. *Interim Action Confirmation Report Site 24 – Old DEH Yard, Fort Ord, California*. January 23. AR# IAFS-135
- U.S. Department of the Army (Army), 1994a. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1994b. *Action Memorandum, Request for Time Critical Removal Action at Site 24 – The Old DEH Yard, Fort Ord, California*. July 13. AR# BW-0657B
- Army, 1996. *Approval Memorandum Proposed Interim Action Excavation, IA Areas 24A, 24B, and 24C, Site 24 – Old DEH Yard, Fort Ord, California*. February 7. AR# IAFS-181
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1994. *EPA Response to Time Critical Action Memorandum Site 24*. BW-0657A
- EPA, 1996. *EPA Response to Approval Memorandum for Proposed Interim Action Excavation IA Area 24A, 24B, 24C and 41A*. April 9. AR# IAFS-143
- EPA, 1997. *EPA Response to Subject: Remedial Action Completion, Operable Unit #4, Site 24 – Old DEH Yard, Former Fort Ord, California*. April 14. AR# IAFS-160
- MACTEC, 2004. *Draft Annual Report of Quarterly Monitoring October 2002 through September 2003, Former Fort Ord, California*. March 2. AR# BW-2277

Site 30 – Driver Training Area

Site Background

Site 30, the Driver Training Area, was a partially developed parcel in the East Garrison. Former facilities at the site representing potential areas of concern included a former grease rack with stained surface soils, a former gasoline station with two USTs, and an abandoned wash rack (Army, 2002). The parcel associated with Site 30 that is included in the partial deletion is L23.3.1.

Remedial Investigation and Feasibility Study

The Remedial Investigation found concentrations of unknown TPHd at 3,300 mg/kg in the surface soil sample collected beneath the former grease rack. Chloride and thallium contamination was detected in groundwater.

Results of the SRE indicated that the health risks from possible exposure to SRCs are acceptably low. Results of groundwater modeling indicated the unknown TPH concentrations might pose a threat to groundwater quality. The ERA indicated that exposures of ecological receptors to chemicals at Site 30 are expected to be negligible (HLA, 1994).

Monitoring well MW-30-01-180 was recommended to be added to the Basewide Groundwater Monitoring Program for further investigation due to TDS exceeding federal and California MCLs, thallium exceeding the primary federal MCL, and chloride exceeding the secondary federal MCL. Soil excavation was recommended due to the localized soil contamination at the grease rack (HLA, 1994).

Response Actions

The IA would address the detected concentration of unknown TPH at the location of the former grease rack (IA Area 30A). The estimated volume of excavated soil at the location of the former grease rack was to be approximately 150 cy to a depth of 5 feet (Army, 1995). The U.S. Army submitted an Approval Memorandum on March 7, 1995 for plug-in of Site 24 with the IAROD and proposed excavation (Army, 1995). The EPA concurred with the proposed action at the site on April 3, 1995 (EPA, 1995).

Soil was excavated to a depth of 5.5 feet at the proposed location. Based on confirmation sampling, the excavated soil was treated in the FOSTA and the excavations backfilled with clean fill material (HLA, 1996).

Results of confirmation sampling after excavation indicated left-in-place levels at a maximum of 140 mg/kg for TRPH, below the TCC value. The results of the confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1996).

The EPA concurred with the IA Confirmation Report on April 14, 1997 (EPA, 1997).

Monitoring well MW-30-01-180 was last sampled in 1995 and was last measured for water level in 2003. Because TRPH was below laboratory detection limits, this well was recommended to be destroyed in the *Annual Report of Quarterly Monitoring, October 2002 through September 2003* (MACTEC, 2004) since sampling was no longer conducted and water level measurements are unnecessary. Well destruction was completed in September 2006.

Cleanup Levels

The TCC for Site 30 was:

- Unknown TPH - 500 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 30. There are no additional actions found to be necessary for the soil at Site 30.

Document References

- Harding Lawson Associates (HLA), 1994. *Draft Final Site Characterization Site 30 – Driver Training Area, Fort Ord, California*. December 21. AR# BW-0909
- HLA, 1996. *Confirmation Report, Site 30 – Driver Training Area, Fort Ord, California*. February 20. AR# BW-1514
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1995. *Approval Memorandum Proposed Interim Action Excavation, IA Area 30A, Site 30 – Driver Training Area, Fort Ord, California*. March 7. AR# IAFS-140
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Site 30-Driver Training Area 30A, Proposed Interim Action for Contaminated Surface Soil Remediation, Approval Memorandum*. April 3. AR# IAFS-113
- EPA, 1997. *EPA Response to Confirmation Report, Site 30-Driver Training Area*. April 14. AR# IAFS-164
- MACTEC, 2004. *Draft Annual Report of Quarterly Monitoring October 2002 through September 2003, Former Fort Ord, California*. March 2. AR# BW-2277

Site 32 – East Garrison Sewage Treatment Plant

Site Background

Site 32, the East Garrison Sewage Treatment Plant in the northern portion of the East Garrison consisted of sludge beds, a percolation pond, and Dotten-sedimentation tanks. Potential contaminants included TPH as gasoline, TPHd, VOCs, metals, fecal coliform bacteria, and nitrogen (Army, 2002). The parcel associated with Site 32 that is included in the partial deletion is E11b.3.

Remedial Investigation and Feasibility Study

Remedial Investigation at the site identified SRCs such as TPH and pesticides at the sewage outfalls and metals at the percolation ponds. The SRE indicated that additional action at the site was necessary to address potential health risks. Groundwater model results indicate that no significant impacts to the groundwater are expected from SRCs. The ERA indicated that adverse impacts to flora and fauna are unlikely (HLA, 1997).

It was recommended that sewage residue and soil from the sewage outfall and the northeastern cell of the percolation pond be removed and placed in the OU2 Landfill (HLA, 1997). They are to be performed under the IAROD. From the investigation, it was also recommended continuing groundwater monitoring at monitoring wells MW-32-01-A, MW-32-02-A, MW-32-03-A, and FO-32 for fecal coliform, nitrate, and orthophosphate via the Basewide Groundwater Monitoring Program (HLA, 1997).

Response Actions

The IA would address the contamination in the percolation ponds and sewage outfall (IA Areas 32A and 32B). The estimated volume of excavated soil at the location of the sewage outfall was to be approximately 1,420 cy to a depth of 8 feet and the estimated volume of 355 cy at the percolation pond to a depth of 2 feet. The Army submitted an Approval Memorandum on April 24, 1997 for plug-in of Site 32 with the IAROD and proposed excavation (Army, 1997a). The EPA concurred with the proposed action at the site in May 1997 (Army, 1997b).

A total of 2,300 cy of soil was excavated at the sewage outfall in two phases based on confirmation sampling and a total of 700 cy at the percolation ponds. Based on confirmation sampling, the excavated soil was used at the OU2 Landfills for the foundation layer in the engineered cover system (HLA, 1998).

Results of confirmation sampling after excavation indicated left-in-place levels below all TCC values. The results of the confirmation sampling and subsequent risk evaluation indicated that no further threat to human health, the environment, or groundwater was anticipated at this site and no further investigation or remediation was recommended (HLA, 1998).

The EPA concurred with the IA Confirmation Report on March 19, 1998 (EPA, 1998).

Draft Annual Report of Quarterly Monitoring October 1998 through September 1999, Fort Ord, California (HLA, 2000) described MW-32-01 was obstructed by a stuck sampling bailer, and FO-32 (last measured for water level in 1999) was not mentioned. MW-32-01-A was destroyed in 2001 (HLA, 2000). MW-32-02-180 and MW-32-02-180 were recommended to be removed from the Basewide Groundwater Monitoring Program in 2002 (Harding ESE, 2002); they were destroyed in 2006.

Cleanup Levels

The TCCs for Site 32 were:

- Unknown TPH – 500 mg/kg
- Aldrin - 0.011 mg/kg
- Beryllium - 0.39 mg/kg
- Chlordane - 0.14 mg/kg
- Dieldrin - 0.011 mg/kg
- 4,4-DDE - 0.53 mg/kg
- 4,4-DDD - 0.74 mg/kg
- 4,4-DDT - 0.53 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 32. There are no additional actions found to be necessary for the soil at Site 32.

Document References

- Harding ESE, 2002. *Draft Final Annual Report of Quarterly Monitoring, October 1999 through September 2000, Former Fort Ord, California*. October 14. AR# BW-2086P
- Harding Lawson Associates (HLA), 1997. *Draft Final Site Characterization Site 32 – East Garrison Sewage Treatment Plant, Fort Ord, California*. January 28. AR# BW-1566
- HLA, 1998. *Interim Action Confirmation Report, Site 32 – East Garrison Sewage Treatment Plant, Fort Ord, California*. March 5. AR# IAFS-203
- HLA, 2000. *Draft Annual Report of Quarterly Monitoring, October 1998 through September 1999, Fort Ord, California*. March 7. AR# BW-2064
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1997a. *Approval Memorandum Proposed Interim Action Excavation, IA Areas 32A and 32B, Site 32 – East Garrison Sewage Treatment Plan, Fort Ord, California*. April 24. AR# IAFS-168
- Army, 1997b. *Public Notice: Army announces regulatory agency approval on the Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, California, Site 1, Site 32 and Site 39A*. May 20. AR# IAFS-171
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1998. *EPA Response to Confirmation Report Site 32-East Garrison Sewage Treatment Plant*. March 19. AR# IAFS-208

Site 34 – Fritzsche Army Airfield Fueling Facility

Site Background and History

The FAAF (now the Marina Municipal Airport) is located on the north side of the former Fort Ord adjacent to the City of Marina. Construction of FAAF was completed in the early 1960s and it served as the general airfield for Fort Ord. Site 34 consists of Wash Rack 516, Wash Aprons 512, 517, 525, and 534, and their associated oil/water separators. Wash Rack 516, at Building 509, was used exclusively for vehicle cleaning. Rinsate from the wash rack flowed to a nearby oil/water separator and ultimately to the publicly owned treatment works (POTW) or sewage treatment system. The four wash aprons were used for helicopter cleaning. Rinsate collected on the aprons and flowed to nearby oil/water separators. Effluent from the oil/water separators also ultimately reached the POTW.

Several military companies performed aircraft maintenance at FAAF and the DOL employed a civilian maintenance force at the FAAF in Buildings 533 and 535, near Wash Apron 534. According to a long-term FAAF employee, paint was routinely chemically stripped from aircraft over a storm drain at Wash Apron 534, and this practice reportedly continued from the 1960s until a new paint booth was built at Building 535 in the late 1980s. Stripping rinsate entered the drainage collection system through the drain and was routinely allowed to enter the oil/water separator. Paint stripper used at the time reportedly contained a variety of compounds, the most common of which was methylene chloride (HLA, 1994).

In August 1987, Fort Ord personnel discovered a loss of approximately 3,200 gallons of gasoline from a 5,000-gallon UST near Building 511. The UST was removed in October 1988 and, because contaminated soil extended under Building 511, the building was demolished at the same time. The total volume of soil excavated was approximately 2,500 cy, of which 500 cy were considered contaminated. The excavated soil containing petroleum hydrocarbons was aerated between October and December 1988 under a permit issued by the Monterey Bay Unified Air Pollution Control District. The treated soil was moved to a soil borrow pile at FAAF (HLA, 1994).

Because elevated levels of TPH remained in the native soil, a soil vapor extraction (SVE) system was constructed and operated intermittently from April 1989 through December 1991. Approximately 11,000 pounds of TPH were removed during SVE system operation (HLA, 1994).

The parcels associated with Site 34 that are included in the partial deletion are L5.1.6, L5.1.7, L5.1.9, L5.1.10, and S2.1.4.2.

Remedial Investigation and Feasibility Study

The field investigation at Site 34 included an initial soil gas survey at the four helicopter wash aprons, drilling and sampling two soil borings at each wash apron and one soil boring at the vehicle wash rack, and laboratory analyses of the soil samples. The primary objective of the soil gas surveys was to screen for VOCs in subsurface soil and to determine soil boring locations. Upon completion of the soil gas surveys, one soil boring was drilled to approximately 20 feet bgs at each wash apron at the location with the highest soil gas chemical concentrations and one soil boring was drilled near each oil/water separator (HLA, 1994).

No organic compounds were reported above laboratory detection limits in any soil samples submitted from borings drilled at the four helicopter wash aprons. Soil samples collected from the soil boring drilled at Wash Rack 516 contained organic compounds above laboratory detection limits (HLA, 1994).

Only reportable concentrations of arsenic, lead, selenium, thallium, beryllium, chromium, copper, nickel, and zinc were detected in the soil samples submitted for inorganic analysis. All reported concentrations were below PRGs except for arsenic and chromium (no PRG established). However, arsenic detected concentrations were below the background threshold values. All total chromium sample results were detected below the shallow background (24 mg/kg) and below the deep background threshold value (16.6 mg/kg) except for one sample at 15.5 feet (21.4 mg/kg). However, the bracketing samples at 10.5 and 20.5 feet in the same boring both had chromium concentrations of 12.5 mg/kg and there was no known source of chromium at the site. All chromium detections were therefore considered to represent background (HLA, 1994).

An SRE was conducted based on the site characterization data (HLA, 1994). The results of the SRE indicated health risks from possible exposure to SRCs in soil are acceptably low. The results of a qualitative analysis indicate that the inorganic chemicals evaluated at Site 34 are not expected to impact groundwater if left in place at maximum detected site concentrations. Based on an ecological receptor exposure analysis conducted as part of the quantitative basewide ERA for Fort Ord, exposures of ecological receptors to chemicals at Site 34 are expected to be negligible (HLA, 1994).

Based on the results of the site characterization, no additional investigation was recommended at the four helicopter wash aprons. Excavation of shallow subsurface soil contaminated with hydrocarbons at Wash Rack 516 was recommended (HLA, 1994).

In 2020, the [Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California](#), was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. An additional area of Site 34 has been identified and recommended for additional soil investigation for PFAS contamination (Ahtna, 2020). Additional investigation is recommended at the Building 507 storm drain discharge area because of the presence of an apparent foam suppression system and the reported accidental discharge of potential aqueous film-forming foam (AFFF) at one hanger. Cleanup after the accidental discharge could have resulted in AFFF being discharged to surface drainage channels or the sanitary sewer system, and a suspected release of PFAS at stormwater infiltration areas south of Building 507. Additional soil investigation is recommended at the location (Ahtna, 2020). As this location is not co-located with any previously identified Site 34 areas, Site 34 and associated parcels are included in the partial deletion. The location of the additional PFAS investigation is within parcels S2.1.6 and L5.1, which remain on the NPL.

Response Actions

The proposed excavation area was designated 34A. The Army submitted an Approval Memorandum on February 2, 1995 for the proposed excavation at IA Area 34A (Army, 1995) which was later supplemented by an addendum (HLA, 1997). The EPA concurred with the proposed action on February 15, 1995 (EPA, 1995). An IA excavation that included the removal of the oil/water separator at Wash Rack 516 and the excavation of approximately 200 cy of contaminated soil was completed in July 1996. A subsurface sampling program was performed in April 1997. Approximately 2,000 cy of contaminated soils were excavated from the site in August and November of 1997. Stockpiled soils associated with IA Site 34A were transferred to the OU2 Landfills and the excavation was backfilled in December 1997 (Uribe, 1998).

The EPA concurred with the IA Confirmation Report on February 5, 2002 (EPA, 2002).

Cleanup Levels

The TCCs for SRCs at Site 34 were:

- TPH – 500 mg/kg
- Ethylbenzene – 830 mg/kg
- Xylenes (total) – 130 mg/kg
- Selenium – 340 mg/kg
- Thallium – 4.7 mg/kg

Results of the IA confirmation sampling indicate soils with concentrations of SRCs above their respective TCCs were removed, and results of the confirmation sampling and subsequent risk evaluation indicate no significant threats to human health, the environment, or groundwater are anticipated at Site 34. Therefore, no further investigation or remediation is recommended (Uribe, 1998).

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 34.

Determination that the Criteria for Deletion have been Met

The implemented remedy achieves the degree of cleanup or protection specified in the IAROD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

- Ahtna Environmental, Inc. (Ahtna), 2020. *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California*. February 27. AR# OU2-722A
- Harding Lawson Associates (HLA), 1994. *Draft Final Site Characterization – Part 1, Site 34 – Fritzsche Army Airfield Fueling Facility, Fort Ord, California*. May 23. AR# BW-0568
- HLA, 1997. *Approval Memorandum: Addendum to Fort Ord Site 34 Interim Action Approval Memorandum*. November 20. AR# IAFS-197
- Uribe & Associates (Uribe), 1998. *Final Interim Action Confirmation Report, Site 34 – Fritzsche Army Airfield Fueling Facility, Fort Ord, California*. September 8. AR# IAFS-215
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1995. *Approval Memorandum, Proposed Interim Action Excavation, Interim Action Area 34A, Site 34, Fritzsche Army Airfield Fueling Facility, Fort Ord, California*. February 2. AR# IAFS-138
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to Site 34 - Fritzsche Army Airfield Fueling Facility Area 34A Proposed Interim Action for Contaminated Surface Soil Remediation Approval Memorandum*. February 15. AR# IAFS-106
- EPA, 2002. *Letter from EPA to the Army regarding Final Interim Action Confirmation Report, Site 34, FAAF Fueling Facility*. February 5. AR# IAFS-215C

Site 34B - Former Burn Pit

Site Background and History

Site 34B is in the FAAF area. The location of a former burn pit at FAAF was identified in 1995 by a former range control officer. According to the range control officer, the burn pit may have been used a few times a year as a firefighter training area by dispensing gasoline or other fuels into the pit, lighting the fuels, and providing an opportunity for firefighters to practice extinguishing the fire. No historical records about the burn pit were found. After aerial photographs were reviewed, site was inspected subsequently, and the potential presence of the burn pit was confirmed. During the site inspection, concrete debris was observed north of the burn pit, suggesting a possible previously unknown disposal site (Harding ESE, 2001). A review of the historical aerial photographs indicates that the former burn pit was not present in 1949 but was present in 1986. While the former burn pit is likely to have been established after 1949, it had not been used since sometime before 1971 (Ahtna, 2020).

The parcel associated with Site 34B that are included in the partial deletion is S2.1.1.

Remedial Investigation and Feasibility Study

The possible presence of the burn pit was discussed during a site visit in 1995, however no historical records about burn pit operations were located. Field investigation was completed in 1998 and included the following activities (Harding ESE, 2001):

- A geophysical survey to identify areas where buried metal (e.g. drums) may be present,
- Excavation of one approximately 100-foot-long trench along the center line of the former burn pit,
- Collection of three soil samples for chemical analysis, and
- Analysis of soil samples for VOCs, SOCs, TPH, primary pollutant metals, dioxins, and furans.

Elevated TPH, dioxin, and furan concentrations were detected in shallow surface soil (0 to 5 feet bgs). With the exception of lead, arsenic, and chromium, concentrations of all priority pollutant metals detected in soil samples were below Fort Ord PRGs. Lead was the only metal detected above the PRG and established maximum threshold background concentrations at Fort Ord. It was found that contaminant concentrations decreased with depth.

An SRE was conducted based on the data collected in the site characterization. The SRE found that dioxins, furans (represented by total 2,3,7,8-tetrachlorodibenzo-p-dioxin-toxic equivalent [TCDD-TE] concentrations), and TPHmo are the only chemicals contributing substantially to an excess cancer risk above 10^{-6} and lead may contribute substantially to a hazard index exceeding the RAO criterion. Given the depth to groundwater at the site and the presence of soil contaminants only in the very-near surface, no potential impacts to groundwater are expected. However, cleanup of soils to the appropriate TCC for TPHmo is expected to prevent adverse impacts to groundwater due to leaching from soil. The ERA concluded that there are no expected significant impacts to ecological species at the site (Harding ESE, 2001).

Based on the results of the investigation, further work was recommended at Site 34B. Soils with levels of TPH, lead, and TCDD-TE exceeding the PRGs at two sample locations were recommended to be excavated as part of Interim Action Site 34 under the IAROD (Harding ESE, 2001).

In 2020, the [Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California](#), was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. A review of Site 34B historical aerial photographs indicates the burn pit was not present in 1949 but was present in 1986. While the burn pit was likely established after 1949, it had not been used since sometime before 1971. This information suggests this site may have been a temporary training area that was used while the FAAF was under construction in the early 1960s and before the FAAF Fire Drill Area (FDA) was established in 1962. Because the burn pit was not used after 1971 and AFFF was not used at Army installations before 1973, there is no suspected release of AFFF at this location; therefore, this site was eliminated from further PFAS investigation (Ahtna, 2020). As there is no recommendation for further PFAS investigation, the site is included in the partial deletion.

Response Actions

The Army submitted an Approval Memorandum on August 27, 2002 for the proposed excavation at IA Area 34B (Army, 2002a and 2002b). The EPA concurred with the proposed action on October 3, 2002 (EPA, 2002a and 2002b). Interim Action response was conducted in

2002 at Site 34B in two phases: pre-excavation waste profile sampling, and excavation and confirmation sampling. Eight pre-excavation composite soil samples were collected and analyzed to determine if the excavated soil would meet the criteria for disposal at the OU2 Landfills before the excavation was conducted. After the analytical results indicated the soil from the Former Burn Pit would meet the criteria for disposal, excavation was performed in October 2002. A total of 740cy of soil to a depth of 5 feet bgs was excavated and placed at the OU2 landfills.

A total of 12 confirmation samples were collected in two rounds following excavation and analytical results were all below the TCCs, indicating that remediation is complete (Shaw, 2003).

The EPA approved the Interim Action Confirmation Report, Interim Action Area 34B, Former Burn Pit on January 10, 2012 (EPA, 2012).

Cleanup Levels

TCCs for Site 34B SRCs are:

- Dioxin and Furan - 1.2E-06 mg/kg
- Lead - 3.7 mg/kg
- TPH as motor oil - 500 mg/kg

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 34B.

Statement of Action Complete

The implemented remedy at Site 34B achieves the degree of cleanup or protection specified in the IAROD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

- Ahtna Environmental, Inc. (Ahtna), 2020. *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California*. February 27. AR# OU2-722A
- Harding ESE, 2001. *Draft Data Summary Report, FAAF Three Sites, Former Fort Ord, California*. June 29. AR# BW-2097
- Shaw Environmental, Inc. (Shaw), 2003. *Interim Action Confirmation Report, Interim Action Area 34B, Former Burn Pit, Site 34 – Fritzsche Army Airfield Defueling Area Former Fort Ord, California*. September 22. AR# IAFS-224
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 2002a. *Approval Memorandum, Proposed Interim Action Excavation, IA Area 34B, Site 34, Fritzsche Army Airfield Defueling Area, Fort Ord, California*. August 27. AR# IAFS-222
- Army, 2002b. *Army's response to EPA regarding the Approval Memorandum, Proposed Interim Action Excavation, IA Area 34B, Site 34, Fritzsche Army Airfield Defueling Area, Fort Ord, California*. October 2. AR# IAFS-222G

- U.S. Environmental Protection Agency (EPA), 2002a. *Site 34 – Fritzsche Army Airfield Defueling Area, Proposed Interim Action Excavation at Area IA Area 34B, Approval Memorandum dated August 27, 2002*. September 12. AR# IAFS-222A
- EPA, 2002b. EPA response to the Army regarding the *Approval Memorandum, Proposed Interim Action Excavation at Area IA Area 34B, Site 34 – Fritzsche Army Airfield Defueling Area, Former Fort Ord*. October 3. AR# IAFS-222E
- EPA, 2012. *EPA Response to Interim Action Confirmation Report, Interim Action Area 34B, Former Burn Pit, Site 34 – Fritzsche Army Airfield Defueling Area, Former Fort Ord, California, September 2003*. January 10. AR# IAFS-224F

Site 39A – East Garrison Ranges

Site Background

The East Garrison Ranges are on the west side of the East Garrison. The ranges included three small-bore shooting ranges (EG-1, EG-2, and EG-3), a skeet range, and a target area that appeared to have been part of a decommissioned moving target range. Weapons use was limited to pistols (.45 caliber or less) at Ranges EG-1 and EG-2, and to small-bore (.22 caliber) rifles at Range EG-3. Bullets were fired at targets 25 or 50 meters away and became embedded in the hillsides at the back of the range. The skeet range was primarily a recreational shooting range for trap and skeet. Potential contaminants were arsenic, antimony, copper, and lead associated with spent ammunition, and polynuclear aromatic hydrocarbons (PAHs) from clay targets that contain 32 percent petroleum pitch (asphalt) (Army, 2002). The parcels associated with Site 39A that are included in the partial deletion are L20.2.2, L20.21.2, L20.22, L23.3.1, L23.3.3.1, and L35.6.

Remedial Investigation and Feasibility Study

The field investigation of Site 39A was conducted at each of four identified study areas: Ranges EG-1 and EG-2, Range EG-3, the Moving Target Range, and the Skeet Range. The study areas were investigated in two phases. Phase I, conducted between October 31 and November 16, 1994, included (HLA, 1997a):

- Estimating the distribution of spent ammunition at the four study areas;
- Assessing the distribution of clay pigeon target fragments at the Skeet Range; and
- Collecting soil samples at the Skeet Range and analyzing them for selected metals, PAHs, and pH.

Phase II, conducted between April 25 and 26 and August 4, 1995, included (HLA, 1997a):

- Collecting soil samples at the firing line at Range EG-1 and analyzing them for selected metals and pH to evaluate the potential presence of contaminants in soil where weapons were discharged;
- Collecting additional soil samples at the Skeet Range and analyzing them for selected metals, PAHs, and pH; and
- Collecting soil samples from below the asphalt road surfaces in the former tent city area of the Skeet Range and analyzing them for PAHs to assess the potential presence of PAHs from sources other than the clay pigeons.

Results indicated that zones of moderate to heavy distribution of spent ammunition occurred as relatively small discrete areas in Ranges EG-1, EG-2, and EG-3 and the Skeet Range. Vertical distribution of spent ammunition is limited to the upper few inches of soil, even in areas of heavy surface coverage. Accumulations of up to three feet in thickness of clay pigeon fragments in

some areas were also observed in the Skeet Range. For the Moving Target Range, both vertical and horizontal estimates of coverage indicate that distribution is very sparse, and therefore, soil contamination as a result is unlikely (HLA, 1997a).

For analytical results for soil samples, only antimony and lead were detected above their respective TCCs and arsenic was detected at concentrations above the Fort Ord maximum background concentration. Four PAHs (indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, benzo(a)pyrene, and benzo(a)anthracene) were detected in one or more soil samples at concentrations exceeding their respective PRGs (HLA, 1997a).

The screening risk assessment determined antimony, arsenic, lead, and four PAHs, exceeding the RAO criterion, may contribute substantially to cancer risk estimate and additional action at the site was necessary to mitigate potential health risks. Impacts to groundwater were not assessed as part of the site characterization; however, no potential impacts to groundwater were expected. Results of the ecological assessment indicated IA activities should have no adverse impacts to ecological receptors and achievement of the RAO should eliminate potential impacts to ecological receptors from contaminants in the soil (HLA, 1997a). Based on the investigation, no further work is recommended for the Moving Target Range. Excavation and removal of soil under the IAROD were recommended for the following areas (HLA, 1997a):

- Six areas of Ranges EG-1 and EG-2;
- Two localized areas containing 1 to 10 percent surface coverage on the backstop area of Range EG-3;
- Surface soil in about half the downrange (north) portion of the Skeet Range, where the soil contained lead and arsenic above their respective PRGs; and
- Surface and subsurface soil in one area containing PAHs in soil above those PRGs, of the Skeet Range.

Response Actions

The IA would address the contamination of metals and PAH at the ranges. The estimated total volume of excavated soil at Site 39A was to be 5,530 cy; 1,000 cy at Firing Range EG-1, 50 cy at Firing Range EG-2, and 4,480 cy at the skeet range. The Army submitted an Approval Memorandum on January 10, 1997 for plug-in of Site 39A with the IAROD and proposed excavation (Army, 1997) which was later supplemented by an addendum (HLA, 1997b). The EPA concurred with the proposed action at the site on February 10, 1997 (EPA, 1997).

Excavation was completed in two phases at Site 39A based on confirmation sampling. Approximately 5,500 cy of soil was excavated in the first phase at several identified locations throughout the site. The excavated soil was stockpiled at the site and then placed at the OU2 Landfills. Phase 2, over-excavation of specific locations based on confirmation sampling, was completed with an additional approximately 1,000 cy of soil excavated. This soil was also stockpiled and then placed at the OU2 Landfills (HLA, 1998).

Spent ammunition was to be removed from the excavated soil to be recycled prior to placement of the soil at the OU2 Landfills. As such, prior to excavation surface lead shot was removed and recycled and prior to soil placement in the OU2 Landfills, bullets were removed through screening. Results of confirmation sampling after excavation indicated left-in-place levels below all TCC values. (HLA, 1998). The EPA concurred with the IA Confirmation Report for Site 39A on February 5, 2002 (EPA, 2002).

HA-80 and HA-85 within Site 39A were identified during site investigation activities conducted under the former Fort Ord Basewide Range Assessment (BRA) program. HA-80 and HA-85 are located close to the center of Site 39A. Site investigation sampling was first conducted within HA-80 and HA-85 in August 2001 and elevated lead concentrations were found. Additional characterization sampling was conducted to further evaluate the extent of elevated lead concentrations and areas were identified for remediation (Army, 2005). The EPA concurred with the proposed action at HA-80 and HA-85 on June 7, 2005 (EPA, 2005). An estimated volume of 600 cy to a depth of 1 foot bgs of soil would be excavated at HA-80 and 300 cy to a depth of 1 foot bgs from HA-85.

Excavation at HA-80 was completed in three phases based on confirmation sampling and one phase at HA-85. In total, approximately 600 cy was excavated from the two sites. Based on confirmation sampling, the soil was treated as hazardous waste and disposed of at the Kettleman Hills Hazardous Waste Facility (MACTEC, 2006).

The maximum left-in-place detected concentrations based on confirmation sampling were 2.55 mg/kg (antimony), 45.9 mg/kg (copper), and 223 mg/kg (lead). The results of the confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation was recommended (MACTEC, 2006). The EPA concurred the 2006 IA Confirmation Report on May 25, 2006 (EPA, 2006).

Cleanup Levels

The TCCs for the SRCs were:

- Lead - 240 mg/kg
- Antimony - 27 mg/kg
- Arsenic - 2.87 mg/kg
- PAHs - indeno(1,2,3-cd)pyrene (0.15 mg/kg), benzo(b)fluoranthene (0.15 mg/kg), benzo(a)pyrene (0.015 mg/kg), and benzo(a)anthracene (0.15 mg/kg)

The TCCs for HA-80 and HA-85 were:

- Antimony - 27 mg/kg
- Copper - 2,500 mg/kg
- Lead - 240 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 39A. There are no additional actions found to be necessary for the soil at Site 39A.

Document References

- Harding Lawson Associates (HLA), 1997a. *Draft Final Site Characterization Site 39A – East Garrison Ranges, Fort Ord, California*. May 16. AR# BW-1735
- HLA, 1997b. *Approval Memorandum: Addendum to Fort Ord Site 39A Interim Action Approval Memorandum*. November 20. AR# IAFS-198
- HLA, 1998. *Interim Action Confirmation Report, Site 39A – East Garrison Ranges, Former Fort Ord, California*. October 18. AR# IAFS-219

- MACTEC Engineering and Consulting, Inc. (MACTEC), 2006. *Interim Action Confirmation Report, IA Area 39A HA-80 and HA-85*. March 7. AR# IAFS-232
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1997. *Approval Memorandum Proposed Interim Action Excavation Site 39A - East Garrison Ranges, Fort Ord, California*. January 10. AR# IAFS-134A
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- Army, 2005. *Approval Memorandum Proposed Interim Action Excavation 39A HA-80 and HA-85, Site 39A, East Garrison Ranges HA-80 and HA-85, Fort Ord, California*. April 6. AR# IAFS-228
- U.S. Environmental Protection Agency (EPA), 1997. *EPA Response to Approval Memorandum and Comments on Draft Site Characterization*. February 10. AR# IAFS-150
- EPA, 2002. *EPA Response to Confirmation Report*. February 5. AR# IAFS-219E
- EPA, 2005. *EPA Response to Approval Memorandum Site 39A HA-80 and HA-85*. June 7. AR# IAFS-228A
- EPA, 2006. *EPA Response to Confirmation Report Site 39A HA-80 and HA-85*. May 25. AR# IAFS-232D

Site 39B – Inter-Garrison Training Area

Site Background

Site 39B is located east of the Main Garrison, south of Inter-Garrison Road, between Eighth Avenue and Abrams Drive. In 1994 when a UXO removal team found a small container while conducting a subsurface removal action, two team members became dizzy and nauseated. The UXO team also noted metal debris and odors at a second location within 50 feet of the containers. An emergency response action was initiated to treat the team members and secure the site. Other items found in the vicinity of the incident included oil filters, scrap metal, paint cans, engines, and ammunition canisters. A TCRA was completed in 1994, and soil was determined to be contaminated with lead, oil, grease, and diesel fuel (Army, 2002). The parcel associated with Site 39B that is included in the partial deletion is S1.3.2.

Remedial Investigation and Feasibility Study

A TCRA was conducted in 1994 to locate and remove additional buried containers (Army, 1994a and 1994b). As described in the IA Approval Memorandum (Army, 1996a), soil samples were collected from each excavation. TPH, TRPH, 1,4-dichlorobenzene, and benzo(a)anthracene were detected above their respective PRGs in the soil samples collected after the completion of excavation. Arsenic was detected above its PRG, but below its background level. Based on these results, additional characterization was performed to evaluate the vertical extent of contamination and found site-related contamination was not identified at or below 5 feet bgs at the site. TPH, TRPH, 1,4-dichlorobenzene, and benzo(a)anthracene were identified to be SRCs (Army, 1996a).

In a SRE, maximum detected chemical concentrations were compared to PRGs and maximum or threshold background concentrations to identify potentially site-related chemicals and to assess the need for further action at the site based on the protection of human health and the environment (Army, 1996a). Results of the SRE indicated further action might be warranted to address potential health risks associated with exposure to SRCs and potential impacts to

groundwater associated with detected concentrations of 4-methylphenol in soil. Based on the lack of complete exposure pathways, the potential impacts to ecological receptors is unlikely (HLA, 1997).

Response Actions

The Army submitted an Approval Memorandum on February 20, 1996 for plug-in of Site 39B with the IAROD and proposed excavation. A total of approximately 165 cy of soil to a depth of 5 feet was estimated to be excavated (Army, 1996a). The EPA concurred with the proposed action at Site 39B (Army, 1996b).

A total of 164 cy of soil was excavated from two locations at the site. Based on confirmation sampling, the excavated soil was used in the OU2 Landfills for the foundation layer in the engineered cover system, and the excavations were backfilled with clean material. Results of confirmation sampling after excavation indicated left-in-place levels below all TCC values (HLA, 1997).

Based on the confirmation report and additional information (Army, 1997), the EPA concurred with the IA Confirmation Report for Site 39B on January 13, 1998 (EPA, 1998).

HA-161 of IA Area 39B was identified during site investigation activities conducted under the former Fort Ord BRA program. HA-161 was used for many years as a troop training area and trash pits, ammunition pits, and burn pits were found throughout the site. Soil sampling was performed in December 2004 and elevated lead concentration was detected at one location. Additional step-out sampling was conducted to further refine the area of elevated lead concentrations in October 2006. Results for step-out samples were below the Fort Ord specific background concentrations. The SRE indicated that lead is present in soil at unacceptable levels for human health at HA-161 in one sample location. Therefore, additional IA excavation actions were proposed for HA-161 at Site 39B in the Approval Memorandum on March 18, 2009 (Army, 2009) due to metals contamination at the location. The EPA concurred with the proposed action on April 14, 2009 (EPA, 2009).

Additional document review was performed by USACE in 2020 to identify the burn pits referenced in the site description of HA-161 of IA Area 39B in the site confirmation report (Army, 2009). No additional substantial documentation describing burn pits at the site was found. As such, the noted burn pits at HA-161 of IA Area 39B have been determined inconsequential for additional investigation, including for PFAS contamination.

The excavation area is located in the eastern portion of HA-161. 20 cy of contaminated soil was excavated at HA-161 and results showed confirmation samples collected after the excavation were below the TCCs. The excavated soil was disposed of at the OU2 Landfills and the site re-graded (Shaw, 2011). The results of confirmation sampling indicated remaining levels of contaminants below TCC levels. The results of the confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation is recommended (Shaw, 2011).

The EPA concurred with the 2011 IA Confirmation Report on January 6, 2011 (EPA, 2011).

Cleanup Levels

The TCCs for Site 39B were:

- TPH - 500 mg/kg
- 1,4-Dichlorobenzene - 7.4 mg/kg

- benzo(a)anthracene - 0.15 mg/kg
- 4-Methylphenol - 8.5 mg/kg

The TCCs for HA-161 were:

- Lead - 240 mg/kg
- Copper - 2,500 mg/kg
- Antimony - 27 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 39B. There are no additional actions found to be necessary for the soil at Site 39B.

Document References

- Harding Lawson Associates (HLA), 1997. *Interim Action Confirmation Report, Site 39B – Inter-Garrison Site, Fort Ord, California*. April 2. IAFS-170
- Shaw Environmental Inc. (Shaw), 2011. *Draft Final Interim Action Site 39B HA-161 Excavation, Inter Garrison Training Area, Fort Ord, California*. March 24. AR# IAFS-236A
- Shaw, 2011. *Draft Final Interim Action Confirmation Report Area 39B, Historical Area 161 Excavation Inter Garrison Training Area, Former Fort Ord, California*. March 24. AR# IAFS-236A
- U.S. Department of the Army (Army), 1994a. *Interim Action Record of Decision Contaminated Surface Soil Remediation, Fort Ord, California*. February 23. AR# IAFS-089
- Army, 1994b. *Action Memorandum Request for Time-Critical Removal Action at the Inter-Garrison Site, Fort Ord, California*. July 18. AR# BW-1811
- Army, 1994c. *Removal Action Report, Time Critical Removal Action at the Inter-Garrison Site, Fort Ord, California*. October 26. Included in AR# BW-0841
- Army, 1996a. *Approval Memorandum Proposed Interim Action Excavation Site 39B, Fort Ord, California*. February 20. AR# IAFS-183
- Army, 1996b. *Public Notice Announces the Interim Action of Excavation of Soil at Site 39B – Inter-Garrison Training Area*. April 9. AR# IAFS-191
- Army, 1997. *Response to EPA regarding Confirmation Report Site 39B*. November 19. AR# BW-1806A
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- Army, 2009. *Approval Memorandum Proposed Interim Action Excavation Site 39B HA-161 – Inter Garrison Training Area, Fort Ord, California*. March 18. AR# IAFS-233
- U.S. Environmental Protection Agency (EPA), 1994. *EPA Response to Action Memorandum for Inter-Garrison Site*. July 25. AR# BW-1598
- EPA, 1998. *EPA Response to Confirmation Report Site 39B*. January 13. AR# IAFS-170E
- EPA, 2009. *EPA Response to Approval Memorandum Site 39B HA-161*. April 14. AR# IAFS-233D

- EPA, 2011. *EPA Response to Draft Interim Action Site 39B HA-161 Confirmation Report*. January 6. AR# IAFS-236.3

Site 40 – Fritzsche Army Airfield Helicopter Defueling Area

Site Background and History

Site 40 was located in the northwestern portion of FAAF and consisted of four areas in the vicinity of Buildings 533 and 535 where helicopter parking, defueling, and routine maintenance operations were performed (HLA, 1996). Four areas of concern were identified and investigated at Site 40:

- Area A was east of Building 533 and consisted of unpaved dune sand with several petroleum-stained surface soil areas. Information obtained from employees working at Site 40 indicated that waste oil was dumped on these dune sands.
- Area B was north of Building 533 and was paved. A review of historical aerial photographs from before paving began in 1985 indicated potential dark surface soil staining and helicopter/vehicle storage at Area B.
- Area C was northwest of Building 533 and was partially asphalt-paved and partially unpaved. Information obtained from employees working at Site 40 indicated that the southern portion of Area C may have been used as a disposal area.
- Area D was west of Building 535 and unpaved. According to information provided by former employees, the western part of Area D was the location where solvents were poured out onto surface soils. The eastern portion of Area D consisted of stained surface soil and stained exterior wall surfaces associated with an exterior building faucet.

The parcels associated with Site 40 that are included in the partial deletion are L5.1.2, L5.1.3, L5.1.4, and L5.1.5.

Remedial Investigation and Feasibility Study

Site characterization activities included:

- Reviewing aerial photographs and interviewing personnel in the area to identify potential areas of concern.
- Evaluating soil gas, soil, and groundwater in suspected or confirmed areas of stained surface soil, former helicopter defueling, and potential unauthorized disposal for the presence of petroleum hydrocarbons and priority pollutant metals.
- Sampling and analyzing soil vapor samples at the areas of concern beneath paved and unpaved surfaces near Building 533; performing a geophysical survey at the potential disposal area; collecting and analyzing soil samples from borings and trenches excavated into stained surface soil, potential disposal materials, and at elevated soil gas concentrations; collecting and analyzing in situ HydroPunch groundwater samples; and installing and sampling one groundwater monitoring well.
- Evaluating detected chemical concentrations with respect to local background concentrations and risks to human health and the environment.

The analytical program included a soil gas survey; a geophysical survey; soil sampling from pilot borings, soil borings, and trenches; installation and sampling of a groundwater monitoring well; and sample analysis (HLA, 1996).

An SRE was conducted based on the site characterization data (HLA, 1996). The results of the SRE indicated further action was needed to address potential health risks associated with exposure to lead at Site 40. The maximum site-related concentrations for the other SRCs were

less than their respective PRGs, indicating that the health risks of possible exposure to these chemicals are acceptably low (HLA, 1996).

No significant impacts to groundwater are expected based on the results of quantitative modeling of possible migration of the organic chemicals detected at Site 40. Additionally, the results of a qualitative analysis indicate that the inorganic chemicals evaluated at Site 40 are not expected to migrate to groundwater if left in place at maximum detected site concentrations (HLA, 1996).

The results of a biological resources survey conducted at Site 40 indicate six plant communities are associated with the site: central coastal scrub, coast live oak woodland, central maritime chaparral, landscaped, upland ruderal, and valley needlegrass grassland. Potential ecological receptors were identified at the site and a quantitative ERA was conducted. Toluene and zinc were the only COCs identified at the site. Both chemicals were detected in paved areas where no complete exposure pathway is identified. No further work was recommended at this site based on the ERA (HLA, 1996).

Based on the results of the site characterization, no additional investigation was recommended in Area B or D. Shallow soil within portions of Areas A and C were recommended for excavation under the IAROD based on maximum detected TPH concentrations and lead concentrations above PRGs.

Monitoring Well MW-40-01-A is recommended for continued monitoring under the Basewide Groundwater Monitoring Program to verify that the TPH detections adjacent to the well were artifacts caused by naturally occurring organics collected with the HydroPunch samples and are not indicative of organic contamination in the groundwater (HLA, 1996).

In 2020, the *Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California*, was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. An additional area of Site 40 has been identified and recommended for additional soil investigation for PFAS contamination. This additional location, PFAS 40A (within Parcel L5.1), is the location of a stormwater drainage pipe discharge for a reported discharge of AFFF at a previously unidentified helicopter defueling area east of the fire and rescue station and separate from the helicopter defueling areas previously identified as Site 40. Additional soil investigation is recommended at the location (Ahtna, 2020). As this location is not co-located with any previously identified areas of Site 40, Site 40 and associated parcels are included in the partial deletion. The location of PFAS 40A is within parcel L5.1, which remains on the NPL.

Response Actions

The two IRP excavation areas were designated 40A (within Parcel L5.1.5, which is a deletion parcel) and 40C. The Army submitted an Approval Memorandum on December 6, 1995 (Army, 1995). The EPA concurred with the proposed action on December 15, 1995 (EPA, 1995). Based on elevated concentrations of lead and TPH, 980 cy of soil were excavated from Areas A and C, with 650 cy transported to the FOSTA for treatment and the remainder disposed at the OU2 Landfills (ECC, 1997). Results of the confirmation sampling indicate soil with concentrations of TPH mixtures above the TCC of 500 mg/kg and soil with concentrations of lead above the TCC of 240 mg/kg were removed. The results of the confirmation sampling and subsequent risk evaluation indicate no further threat to human health, the environment, or groundwater is anticipated at this site. No further investigation or remediation was recommended (HLA, 1997).

The EPA concurred with the IA Confirmation Report for Site 40 on January 31, 1997 (EPA, 1997).

Monitoring well MW-40-01-A was included as part of the Basewide Groundwater Monitoring Program and was last sampled in September 2002 with no detection of carbon tetrachloride and TCE. In the *Annual Report of Quarterly Monitoring, October 2002 through September 2003, Former Fort Ord, California*, MW-40-01-A was removed from the sampling program and is only used for collecting groundwater elevation data (MACTECT, 2004).

Cleanup Levels

The TCCs for Site 40 were:

- Lead - 240 mg/kg
- TPH - 500 mg/kg

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 40.

Determination that the Criteria for Deletion have been Met

The implemented remedy achieves the degree of cleanup or protection specified in the IAROD for the deletion parcel and no further Superfund response is needed to protect human health and the environment.

Document References

- Ahtna Environmental, Inc. (Ahtna), 2020. *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California*. February 27. AR# OU2-722A
- Environmental Chemical Corporation (ECC), 1997. *Draft Closure Report, Site 40 – FAAF Defueling Area, Fort Ord Interim Action Sites – Phase II, Fort Ord, California*. January 14. AR# IAFS-155
- Harding Lawson Associates (HLA), 1996. *Draft Final Site Characterization, Site 40 – Fritzsche Army Airfield Defueling Area, Fort Ord, California*. January 9. AR# BW-1354
- HLA, 1997. *Interim Action Confirmation Report, Site 40 – Fritzsche Army Airfield Defueling Area, Fort Ord, California*. January 2. AR# IAFS-132
- MACTEC, 2004. *Draft Annual Report of Quarterly Monitoring October 2002 through September 2003, Former Fort Ord, California*. March 2. AR# BW-2277
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1995. *Approval Memorandum, Proposed Interim Action Excavation, IA Areas 40A and 40C, Site 40 – Fritzsche Army Airfield Defueling Area, Fort Ord, California*. December 6. AR# IAFS-180
- U.S. Environmental Protection Agency (EPA), 1995. *EPA Response to EPA Response to Site 40 – Fritzsche Army Airfield Defueling Area, Proposed Interim Action Excavation at Areas 40A and 40C, Approval Memorandum*. December 15. AR# IAFS-156
- EPA, 1997. *Remedial Action Completion, Operable Unit 3, Site 40, Fritzsche Army Airfield, Fort Ord, California*. January 31. AR# BW-1646

Site 41 – Crescent Bluff Fire Drill Area

Site Background

Site 41 consisted of four small firefighting training pits located on a bluff approximately 0.75 miles southeast of the East Garrison. The training pits became overgrown and contained water during the rainy season. Potential contaminants are flammable liquids (Army, 2002). The burn pits are suspected to have been used in the 1940s and 1950s for handheld fire extinguisher training (Ahtna, 2020).

The parcels associated with Site 41 that are included in the partial deletion are E11b.7.1.1 and E11b.7.1.2.

Remedial Investigation and Feasibility Study

Eight soil borings were drilled and sampled, and two surface soil samples were collected to investigate the subsurface in areas of potential contaminations at Site 41. Only arsenic and beryllium concentrations exceeded the established PRGs as well as their respective background threshold values. There was no established PRG for total chromium. Organic chemical compounds detected at Sites 41 included octachlorodibenzo-p-dioxin (OCDD), pentachlorophenol, and toluene, but their concentrations were below their respective PRGs. Based on the SRE, TPH are not expected to migrate from soil to groundwater beneath Site 41 (HLA, 1996).

Results of the SRE indicated that additional action at the site might be necessary to address potential health risk associated with exposure to arsenic and beryllium at Site 41. The highest observed concentrations of arsenic and beryllium are generally found in the surface and near-surface samples (0 to 1.0 foot deep). Concentrations of total chromium above background levels were observed, but the observed concentrations of total chromium were below trivalent chromium PRG. Groundwater modeling results indicate that no significant impacts to groundwater are expected from the SRCs in soil at Site 41. The ERA indicated that adverse impacts to fauna or flora are unlikely. Results indicated that the burn pits at Site 41 would be excavated under the IAROD program. Limited excavation of approximately 1 foot of soil from the burn pits with the elevated concentrations of arsenic and beryllium were recommended (HLA, 1996).

In 2020, the *Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California*, was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. Review of Site 41 identified no potential PFAS contamination. Because the four shallow depressions (1 to 3 feet deep) that were suspected burn pits used for firefighting drills were relatively small, it is suspected they were used for handheld fire extinguisher training. Additionally, they are suspected of having been used in the 1940s and 1950s and not used for training after 1971. AFFF was not used at Army installations before 1973 and therefore there is no suspected source of PFAS contamination. For these reasons, there is no suspected release of AFFF at the Crescent Bluff FDA (Ahtna, 2020). As there is no recommendation for further PFAS investigation, the site is included in the partial deletion.

Response Actions

An estimated total volume of 65 cy of soil was to be excavated at IA Area 41A. Excavation would occur at three of the four burn pits to a depth of 1 foot. The Army submitted an Approval Memorandum on February 8, 1996 for plug-in of Site 41 with the IAROD and proposed

excavation. The maximum detected background concentrations of 5.1 mg/kg will be used as a TCC for arsenic. No TCC was developed for beryllium because detected concentrations of beryllium at Site 41 appear to be naturally occurring (Army, 1996). The EPA concurred with the proposed action at the site on July 1, 1996 (EPA, 1996).

Excavations were performed between June 26 and 27, 1996 and each excavation encompassed a burn pit, for a total of 76 cy of soil. Each burn pit was excavated to a depth of 1 foot. Results of the confirmation sampling indicated that concentrations of arsenic above the TCC of 5.1 mg/kg was removed. Based on the results of the composite sample collected from the stockpile, the excavated soil was used in the foundation layer for the engineered cover system at the OU2 Landfills. The excavations were not backfilled (HLA, 1997).

Results of confirmation sampling after excavation indicated left in place levels below all TCC values. The results of the confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation was recommended (HLA, 1997).

The EPA concurred with the Interim Action Confirmation Report on April 14, 1997 (EPA, 1997).

Cleanup Levels

The TCC for the site was:

- Arsenic - 5.1 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for Site 41. There are no additional actions found to be necessary for the soil at Site 41.

Document References

- Ahtna Environmental, Inc. (Ahtna), 2020. *Draft Final Technical Summary Report – Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2, Former Fort Ord, California*. February 27. AR# OU2-722A
- Harding Lawson Associates (HLA), 1996. *Draft Final Site Characterization Site 41 – Crescent Bluff Fire Drill Area, Fort Ord, California*. March 22. AR# BW-1356
- HLA, 1997. *Interim Action Confirmation Report, Site 41 – Crescent Bluff Fire Drill Area, Fort Ord, California*. February 4. AR# IAFS-149
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1996. *Approval Memorandum Proposed Interim Action Excavation, Site 41 – Crescent Bluff Fire Drill Area, Fort Ord, California*. February 8. AR# IAFS-179
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1996. *EPA Response to Approval Memorandum Site 41*. July 1. AR# BW-1455
- EPA, 1997. *EPA Response to Confirmation Report Site 41*. April 14. AR# IAFS-163

OF-15 – Outfall 15

Site Background

The outfall included a storm drain and channel immediately west of Trainfire Range No. 11 on the Beach Trainfire Ranges (Site 3) (Army, 2002). The parcels associated with Outfall 15 that are included in the partial deletion are S3.1.1 and S3.1.2.

Remedial Investigation and Feasibility Study

This outfall was investigated and characterized as part of the Basewide Surface Water Outfall Investigation (BWSWOI; HLA, 1995). Soil samples were collected as part of the investigation and found concentrations of unknown hydrocarbons from the TPH diesel analysis at 2,200 mg/kg at 2 to 2.5 foot bgs 20 feet downgradient of the outfall. Unknown hydrocarbons were detected in four near-surface soil samples at concentrations that ranged from 10 to 54 mg/kg and were not detected above reporting limits in the deep soil samples around the buried channel perimeter. At the buried channel adjacent to the outfall and 20 feet downgradient from the outfall, concentrations of arsenic, lead, and dieldrin were also detected above the PRG (Army, 1996).

The SRE indicated that additional action at OF-15 was necessary to address potential health risks associated with SRCs. Groundwater modeling indicated that no significant impacts to groundwater are expected. The ecological screening assessment indicated no concern for fauna (Army, 1996).

Unknown TPH, arsenic, lead, and dieldrin were identified as SRCs. On the basis of these data, it was proposed that the soil above the buried channel at OF-15 be excavated under the IAROD (Army, 1996).

Response Actions

The IA would address soil contaminated with arsenic, lead, dieldrin, and unknown TPH at the outfall and channel. The total estimated volume of excavated material to be removed from OF-15 was 150 cy, based on excavating all of the soil material from above the buried concrete channel. The Army submitted an Approval Memorandum on October 29, 1996 for plug-in of OF-15 with the IAROD and proposed excavation (Army, 1996). The EPA concurred with the proposed action in February 1997 (Army, 1997).

A total volume of 430 cy of soil was excavated from the site and stockpiled onsite. On the basis of the composite soil samples collected from the stockpiles, the excavated soil was transported to the former Fort Ord landfill for use in in the foundation layer for the engineered cover system at the OU2 Landfills. The excavation was backfilled with clean material (HLA, 1998).

The left-in-place maximum concentrations following excavation were 21 mg/kg (unknown TPH), 2.2 mg/kg (arsenic), 59.6 mg/kg (lead), and 0.001 mg/kg (dieldrin). The results of the confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation is recommended (HLA, 1998).

The EPA concurred with the IA Confirmation Report on March 16, 2005 (EPA, 2005).

Cleanup Levels

The TCCs for the site were:

- Unknown TPH - 500 mg/kg

- Arsenic - 2.87 mg/kg
- Lead - 240 mg/kg
- dieldrin - 0.011 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for OF-15. There are no additional actions found to be necessary for the soil at OF-15.

Document References

- Harding Lawson Associates (HLA), 1995. *Volume I - Draft Final Basewide Surface Water Outfall Investigation, Remedial Investigation/Feasibility Study, Fort Ord, California*. May 17. AR# BW-1146
- HLA, 1998. *Interim Action Confirmation Report, Outfall 15, Fort Ord, California*. September 3. IAFS-213
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1996. *Approval Memorandum Proposed Interim Action Excavation, OF-15, Fort Ord, California*. October 29. AR# IAFS-125
- Army, 1997. *Public Notice: Army announces regulatory agency concurrence on the Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, California, Site 1 and Stormwater Outfalls OF-15, OF-34 and OF-35*. February 27. AR# IAFS-172
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 2005. *EPA Response to Confirmation Report OF-15*. March 16. AR# IAFS-213E.1

OF-34/35 – Outfall 34 and Outfall 35

Site Background

Outfalls OF-34 and OF-35 discharged into a vegetated drainage channel west of Building 533 at the western end of FAAF. Interviews with former base employees and research indicated chemicals used in Building 533 and/or other buildings at FAAF may have entered storm drain inlets upstream of OF-34 and OF-35 (Army, 2002). The parcels associated with Outfall 34 and Outfall 35 that are included in the partial deletion are L5.1 and L5.1.4.

Remedial Investigation and Feasibility Study

These outfalls were investigated and characterized as part of the BWSWOI (HLA, 1995). The BWSWOI assessed environmental conditions at surface water outfalls or concentrated surface water discharge locations across Fort Ord. Soil samples were collected at depths of 0 to 0.5 feet bgs and at 5 to 5.5 feet bgs from soil boring immediately adjacent to and 20 feet downgradient from each outfall. At OF-34, two PCBs (arochlor-1254 and arochlor-1260) were detected at concentrations above PRG in the 5 to 5.5-foot bgs soil sample location adjacent to the outfall. Lead and cadmium were detected at concentrations above PRGs in the 0 to 0.5-foot bgs

adjacent to the outfall. Unknown petroleum hydrocarbon in the diesel range was also detected at 780 mg/kg in the same near-surface sample (Army, 1996).

The SRE for both OF-34 and OF-35 indicated that additional action at both OF-34 and OF-35 might be necessary to address potential health risks associated with exposure to aroclor-1254 and aroclor-1260 at OF-34 and lead and cadmium at OF-35. Groundwater modeling indicated that no significant impacts to groundwater were expected from the chemicals detected at the locations. The ecological screening assessment indicated no further action (NFA) relating to ecological impacts was required at Outfalls 34 and 35. Based on the results, soils in both areas met the criteria for early soil excavation established as part of the IAROD process at Fort Ord. These areas were proposed for excavation under the IAROD program (Army, 1996).

Response Actions

The Army submitted an Approval Memorandum on August 22, 1996 for plug-in of OF-34 and OF-35 with the IAROD. An estimated total volume of 37 cy was proposed to be excavated from OF-34 to a depth of 10 feet immediately downgradient of the outfall. A total estimated volume of 20 cy was proposed to be excavated from OF-35 to a depth of 5.5 feet immediately downgradient of the outfall (Army, 1996). The EPA concurred with the proposed action in February 1997 (Army, 1997).

The total volume excavated at OF-34 was 37 cy to a depth of 10 feet and stockpiled onsite. Results of confirmation samples indicate that aroclor-1254 and aroclor-1260 were below the detection limit. Based on one composite sample collected from the stockpiled soil, the excavated soil was used in the foundation layer of the engineered cover system at the OU2 Landfills and the excavation was backfilled with clean fill material. The total volume of excavated soil at OF-35 was 20 cy to a depth of 5.5 feet and stockpiled onsite. Results of confirmation samples are well below the TCCs established for cadmium, lead, PAHs, and extractable TPH. Based on one composite sample collected from the stockpiled soil, the excavated soil was used in the foundation layer of the engineered cover system at the OU2 Landfills and the excavation was backfilled with clean fill material (HLA, 1997).

The left-in-place maximum concentrations following excavation were ND (aroclor-1254) and ND (aroclor-1260) for OF-34; ND (unknown TPH), 0.22 mg/kg (cadmium), and 2.3 mg/kg (lead) for OF-35. The results of the confirmation sampling and subsequent risk evaluation indicate that no further threat to human health, the environment, or groundwater is anticipated at this site and no further investigation or remediation is recommended (HLA, 1997).

The EPA concurred with the IA Confirmation Report on July 23, 1997 (EPA, 1997).

Cleanup Levels

The TCCs for OF-34 were:

- aroclor-1254 - 0.02 mg/kg
- aroclor-1260 - 0.02 mg/kg

The TCCs for OF-35 were:

- Unknown TPH - 500 mg/kg
- Cadmium - 8.1 mg/kg
- Lead - 240 mg/kg

Operations and Maintenance

There are no LUCs or O&M requirements for this site.

Statement of Action Complete

All RAOs as defined in the IAROD have been met and all response actions have been completed for OF-34 and OF-35. There are no additional actions found to be necessary for the soil at OF-34 and OF-35.

Document References

- Harding Lawson Associates (HLA), 1995. *Volume I - Draft Final Basewide Surface Water Outfall Investigation, Remedial Investigation/Feasibility Study, Fort Ord, California*. May 17. AR# BW-1146
- HLA, 1997. *Interim Action Confirmation Report Outfalls 34 and 35 – Fritzsche Army Airfield, Fort Ord, California*. June 20. AR# IAFS-176
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1996. *Approval Memorandum Proposed Interim Action Excavation OF-34 and OF-35, Fritzsche Army Airfield, Fort Ord, California*. August 6. AR# IAFS-126
- Army, 1997. *Public Notice: Army announces regulatory agency concurrence on the Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, California, Site 1 and Stormwater Outfalls OF-15, OF-34 and OF-35*. February 27. AR# IAFS-172
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G
- U.S. Environmental Protection Agency (EPA), 1997. *EPA Response to Confirmation Report OF 34/35*. July 23. AR# BW-1804

No Action Sites

The No Action Plug-In ROD (Army, 1995a) was developed to specify the process for identifying a No Action site at Fort Ord and follow an Approval Memorandum process to “plug-in” to the No Action ROD. A No Action site is a site where remedial action is not necessary to protect human health and the environment. No Action sites at Fort Ord fall under two categories:

- Category 1 sites are those that are already in a protective state and pose no current or potential threat to human health or the environment. Category 1 sites include areas where storage and/or release or disposal of hazardous substances has occurred and some level of contamination may be present; however, the level of contamination that exists at a site is below the levels required for protection of human health and the environment.
- Category 2 sites are those sites where CERCLA does not provide the appropriate authority to take any remedial action except to the extent that the FFA provides for corrective action under RCRA. Category 2 sites include two types: sites that had storage and/or release of contaminants that are excluded from the CERCLA process (e.g. UST program); and sites where no release to the environment occurred (e.g., asbestos in buildings).

In addition, No Action sites will be evaluated for potential impact to groundwater. Preliminary assessments for ecological risk indicated that the majority of the anticipated No Action sites do not pose ecological risks because the areas were already disturbed (paved).

To “plug-in” a site to the No Action ROD, an Approval Memorandum will be prepared to demonstrate how each area meets the appropriate requirements and conditions for either a Category 1 or 2 site. Each Approval Memorandum will be made available to the public including local and county agencies. After a public review period the Approval Memorandum will be submitted for regulatory agency review and approval.

Selected Remedy and Decision Documents

Based on the No Action Plug-In ROD (Army, 1995a), a No Action site is a site where remedial action is not necessary to protect human health and the environment. No action is warranted under the following general sets of circumstances applicable to sites at Fort Ord:

- Where the baseline risk assessment or screening risk evaluation concluded that conditions at the site poses no unacceptable risks to human health and the environment.
- Where a release involved only substances exempt from remedial action under CERCLA Section 101 (investigation and/or remediation may be undertaken pursuant to other state or federal authority).
- Where a previous response action (e.g., interim remedial action or removal action) eliminated existing and potential risks to human health and the environment such that no further action is necessary.

Although the No Action sites at Fort Ord do not require treatment or controls, groundwater monitoring may be performed as part of basewide monitoring activities.

Response Actions

Generally, any chemicals present in soil at No Action sites are the result of former routine maintenance and support activities on Fort Ord. Such activities include maintenance of military vehicles at wash racks, tank storage of chemicals such as waste oil, the use of oil/water separators in drainage areas, and pesticide use and storage.

There are 18 total sites at Fort Ord that have gone through the No Action ROD “plug-in” and approval process.

IRP Site	No Action Category	Approval Memorandum Date	EPA Concurrence Date
Site 11	1	October 17, 1997	See note below
Site 13	1	May 22, 1995	August 2, 1995
Site 18	1	October 13, 1995	See note below
Site 19	1	October 10, 1995	See note below
Site 23	1	October 17, 1997	See note below
Site 26	1	August 10, 1995	September 25, 1995
Site 27	1	May 22, 1995	August 2, 1999
Site 28	1	August 10, 1995	September 25, 1995
Site 29	1	August 10, 1995	September 25, 1995
Site 35	1	May 22, 1995	August 2, 1995
Site 37	1	May 22, 1995	August 2, 1995
Site 38	1	January 26, 1996	July 11, 1996
HA-79	1	May 13, 2009	July 23, 2009
HA-92	1	May 13, 2009	July 23, 2009
HA-98	1	May 13, 2009	July 23, 2009
HA-100	1	May 13, 2009	July 23, 2009
HA-121	1	May 13, 2009	July 23, 2009
HA-183	1	May 13, 2003	July 23, 2009

Note: The 1st Five Year Review (Army, 2002) indicated the site has completed the approval process.

Additional information on the approved No Action sites is provided below under “No Action Sites Remedial Investigation.” Reference documents are listed after the site summaries.

Cleanup Levels

There are no cleanup levels for No Action sites.

Operations and Maintenance

There are no operations and maintenance requirements for No Action sites.

Statement of Action Complete

The above listed No Action sites have completed the No Action Approval Process as defined in the No Action Plug-In ROD (Army, 1995a).

No Action Sites Remedial Investigation

Additional information on the approved No Action sites is provided below.

Site 11 – AAFES Fueling Station

Site 11 is the former Army and Air Force Exchange Service (AAFES) Fueling Station at Building 4220, which is located within the Main Garrison. The site consisted of a garage for automotive

engine work, a small store for auto supplies and sundries, and an active gas station that included six gasoline USTs, one waste oil UST, and one oil/water separator (Army, 2002).

Data from the previous investigation conducted in February 1990 were reviewed and an oil/water separator inspection was conducted in May 1993. Lead, total fuel hydrocarbons (TFH), and high boiling point hydrocarbons (TFH-H) were considered to be site-related chemicals. However, based on the results of the SRE the potential health risks of exposure to site-related chemicals are acceptably low. Results of groundwater modeling indicate that impacts from the maximum detected concentrations of chemicals in soils are not expected to migrate to groundwater. On the basis of the findings of the SRE and the quantitative and qualitative assessment of potential groundwater impacts, no further action for chemicals identified in soil was recommended at Site 11 (HLA, 1996).

Site 11 was included in the No Action Plug-in ROD (Army, 1995a) as a Category 1 site based on the findings under the RI/FS program (Army, 1997b). All additional work relating to the USTs have been completed as required under regulations governing underground storage tanks (Army, 2002).

The parcel associated with Site 11 that is included in the partial deletion is F2.3.

Site 13 – Railroad Right-of-Way

Site 13 was a 5,000-foot long railroad spur and right-of-way adjacent to an industrial area in the Main Garrison. The site was bounded by Third Street, Eleventh Street, Highway 1, and First Avenue. The railroad tracks head north (immediately east and paralleling Highway 1) then curves eastward into the industrial area (Army, 2002).

No documents indicating spills along the railroad right-of-way were found during a literature review, however, there was a potential for surface soil contamination from chemical spillage along the railroad right-of-way during transportation and unloading at the docks. Site characterization activities consisted of conducting a soil gas survey at two locations adjacent to Building T-2053 and drilling 29 soil borings along the right-of-way. Nine priority pollutant metals, total extractable unknown petroleum hydrocarbons, acetone, 4,4-DDT, 2-methylnaphthalene, and acenaphthene were considered to be SRCs. Based on the results of the SRE, the health risks from possible exposure to SRCs were acceptably low. Exposures by ecological receptors to SRCs are also expected to be negligible. The evaluation also indicated that no groundwater impacts are expected from the SRCs at Site 13 (HLA, 1994). Based on the investigations completed, no further action at Site 13 was recommended (Army, 1995b).

Site 13 was included in the No Action Plug-in ROD as a Category 1 site based on the findings under the RI/FS program (Army, 1995b).

The parcel associated with Site 13 that is included in the partial deletion is L20.16.2.

Site 18 – 1600 Block Facility

Site 18, the 1600 Block Facility in the Main Garrison was a multi-purpose complex that included maintenance and support facilities for motor pool vehicles, the DOL Busworks Yard, and several light industrial buildings. Potential areas of concern were USTs (waste oil, diesel, and gasoline), wash racks, oil/water separators, grease racks, drum storage areas at the DOL Busworks Yard and the Training and Audiovisual Service Center (TASC) Plastics Shop, and a dry well at the TASC Graphics Shop. Approximately 99 percent of the site was covered with either asphalt or concrete (Army, 2002).

Site characterization activities included the drilling and sampling of eight soil borings and sampling of three existing onsite monitoring wells – MW-18-01-180, -02-180, and -03-180. Based on the site-specific soil data, the SRE indicated the potential risks to human health and the environment are acceptably low (HLA, 1995c).

TCE was detected in all three groundwater sampling rounds in 1992, at concentrations ranging from 4.3 to 7 µg/L from one monitoring well – MW-18-03-180 (Army, 1995j). It is suspected that the TCE detected in the groundwater samples is the result of the migration of TCE in groundwater from the OU2 Landfills and would be remediated as part of the OU2 groundwater plume (HLA, 1995c). MW-18-03-180 was last sampled in September 2011 with TCE concentration below the aquifer cleanup level and was inaccessible in September 2012 due to obstruction. All three monitoring wells onsite were destroyed in June 2014 (HGL, 2014).

There were 10 SWMUs at Site 18: eight SWMU cages, two buildings where hazardous wastes were generated (the TASC Plastics and Graphics shops), and one former SWMU site that was vacant at the time of SWMU investigation. Based on the investigation, no further action was recommended for all 10 locations (Harding ESE, 2002).

Site 18 has been included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995j).

The parcels associated with Site 18 that are included in the partial deletion are E2b.1.5, L21, and S1.5.1.1.

Site 19 – 2200 Block Facility

Site 19, the 2200 Block Facility in the Main Garrison, is 90 percent paved and consisted of storage, administration, and light industrial buildings. Three potential areas of concern were Buildings T-2241, T-2251, and T-2253. Building T-2241 (the photographic laboratory, formerly the telephone and telegraph building) consisted of an area where wastes were reportedly discharged through a flood drain into a suspected dry well beneath the building. Building T-2251 consisted of an area where an oily substance reportedly flowed to a drain east of the building during wet weather. Building T-2253 (former gasoline service station) consisted of an area where one soil sample collected during tank removal activities in 1991 contained TPH constituents (Army, 2002).

Site characterization activities consisted of drilling two soil borings and collecting soil samples for chemical analysis, including one sample from beneath the concrete electrical vault. Chlordane was detected at concentrations of 3 mg/kg from the soil sample collected beneath the vault in Building T-2241. Based on the results of the initial investigation, additional soil sampling was conducted to evaluate the vertical extent of pesticides and VOCs in the soil for the vault beneath Building T-2241. Sand in the bottom of the concrete vault was sampled to evaluate proper disposal methods and was then removed and placed in drums for subsequent disposal. Chlordane was detected at 0.16 mg/kg in the soil sample collected from 1 foot beneath the vault floor and at 7.2 mg/kg in soil sample collected from the sand on the vault floor in the subsequent investigation. Although chlordane was detected at a concentration slightly above the PRG at 1 foot beneath the vault floor, the extent of contamination appeared to be limited to the soil in and immediately beneath the vault floor. Exposure by human or ecological receptor to contaminated soil is considered very unlikely. Additional evaluation also found that no complete migration pathway exists, and groundwater was unlikely to be affected by concentrations of chlordane. From an ecological risk assessment perspective, no further action was required (HLA, 1995d). Since the sand in the vault was removed and properly disposed of during the

1994 investigation and based on the results of this investigation, no further action was recommended at Site 19 (Army, 1995i).

SWMUs located at Site 19 (buildings 2252 and 2253) had been removed from investigation in the SWMU report. Building 2252 was determined to be a pottery kiln, not an incinerator, and building 2253 was demolished during a UST removal (Army, 1997a).

Site 19 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995i).

The parcel associated with Site 19 that is included in the partial deletion is E2b.1.5.

Site 23 – 3700 Block Motor Pool Complex

Site 23, the 3700 Block Motor Pool Complex, was an approximately 19-acre parcel in the eastern portion of the Main Garrison where vehicle maintenance activities were performed. Potential areas of concern included USTs, former grease racks, oil/sand interceptors with oil/sand separators, and hazardous waste storage sheds (Army, 2002).

Seven soil borings were drilled, and twenty-one soil samples collected for chemical analyses during the initial investigation. Two additional borings were drilled, and six soil samples were collected during the supplemental investigation at the former wooden grease rack. Three rounds of groundwater samples were also collected from three existing monitoring wells for a total of nine samples. None of the eight metals detected in the soil samples exceeded their respective PRGs or background threshold. Total chromium concentrations detected in samples were considered to represent background conditions. Total oil and grease were detected at concentrations up to 140 mg/kg in soil. Six metals were detected in the groundwater samples, but no California or federal groundwater standards were exceeded. TPH were not detected in any of the groundwater samples. The SRE performed for Site 23 indicated that health risks from possible exposure to site-related chemicals in soil are acceptably low. Based on the SRE, TPH was not expected to migrate from the soil to the groundwater beneath the site (HLA, 1997). No potentially complete exposure pathways were identified for species associated with ecological assessment endpoints (Army, 1997c).

Based on the results of the investigation, no further action at Site 23 was recommended. Site 23 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1997c).

The parcels associated with Site 23 that are included in the partial deletion are S1.1.2 and S1.4.

Site 26 – Sewage Pump Stations, Buildings 5871 and 6143

The Imjin sewage pump station was in Building 5871, and the Clark sewage pump station was in Building 6143. Both buildings were southwest of the Fritzsche Army Airfield. There were eight documented sewage spills from these stations between 1988 and 1991; however, soil contamination from the sewage spills is not expected (Army, 2002 and HLA, 1991).

Overflows were reported at both pump stations; however, since these stations only serve residential housing areas, it is unlikely that industrial or CERCLA regulated contaminants are present. Soil contamination was not suspected. Since sewage overflows are typically washed down to the nearest storm drain and the area disinfected, soil contamination from sewage was not suspected. There was no field investigation or health risk evaluation completed due to the nature of the site. Based on the history of the site, site-related chemicals, impacts to groundwater, and ecological risks were not expected at Site 26 (Army, 1995f).

Site 26 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995f).

The parcels associated with Site 26 that are included in the partial deletion are E4.3.2.1 and S1.2.1.

Site 27 – Army Reserve Motor Pool

Site 27, the Army Reserve Motor Pool, is located immediately south of the former Fritzsche Army Airfield (FAAF). At the time of the 1994 investigation, potential areas of concern were a wash rack and the associated oil/water separator, a 500-gallon waste oil UST, and a hazardous materials storage area (Army, 2002). The site included one SWMU: a hazardous waste storage area for the Reserve Center Motor Pool. It was a RCRA generator-only storage area, and no evidence of leaks was observed during a 1996 investigation. The waste oil UST had been removed in July 1995. No further investigation was recommended (Harding ESE, 2002). The U.S. Army Reserve Center remains an active facility.

Site characterization consisted of drilling one soil boring near the oil/water separator inlet to collect subsurface soil samples for chemical analysis. PCE and carbon tetrachloride were each reported in one sample at concentrations below the laboratory reporting limits. Arsenic was detected above its PRG value but was below its background threshold value. Chromium, which has no PRG, was detected at concentrations below the background threshold value. Results of the SRE indicated that health risks from possible exposure to site-related chemicals in soil were acceptably low. No significant impact to groundwater quality was expected from the organic chemicals detected in soil at Site 27. Inorganic chemicals were not expected to migrate to groundwater if left in place at maximum detected site concentrations. The basewide ERA indicated that exposure by ecological receptors to chemicals at Site 27 is negligible (HLA, 1994d).

Based on the results of the investigation, no further action at Site 27 was recommended. Site 27 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995c).

The parcel associated with Site 27 that is included in the partial deletion is F4.

Site 28 – Barracks and Main Garrison Area

Site 28 consisted of four buildings and surrounding areas in the Main Garrison Area: the Visual Information Center (Building T-2842), the Photo Development Unit (Building T-2850); the Print Shop (Building T-2353); and Building T-2000 (a former laundromat). Potential COCs associated with Site 28 include solvents, PCE, and chemicals used for photograph development (Army, 1995g).

Soil gas samples were collected from twenty locations around the Visual Information Center and the Print Shop, and three soil borings were drilled to a depth of approximately 21.5 feet around each of the two buildings. Three surface soil samples were collected in the crawl space beneath the Photo Developing Unit, where pipes originating in the building terminated under the building and are open-ended. A field inspection was conducted of the potential dry well near Building T-2000. Results of soil gas samples near the Visual Information Center and the Print Shop indicated the presence of organic compounds, but their presence was not confirmed during analyses of soil samples. All metals detected beneath the Photo Developing Unit were below their respective PRGs with the exception of total chromium – which has no PRG and was detected below the basewide background concentration. Results of the Remedial Investigation and the SRE indicated that there was an acceptably low risk to human health at the site. The

basewide ERA indicated that exposure by ecological receptors to chemicals at Site 28 was expected to be negligible (HLA, 1995b). No significant groundwater impacts were expected from the concentrations of the six site-related chemicals detected at Site 28 (Army, 1995g).

Site 28 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995g).

The parcels associated with Site 28 that are included in the partial deletion are E2b.1.1.1, E2b.2.1, E2b.3.1.1, and S4.1.1.

Site 29 – Defense Reutilization and Marketing Office (DRMO)

Site 29, the DRMO, was located in the East Garrison and was centered around Buildings 110 and 111, where PCB-containing transformers may have been stored, and an unpaved field adjacent to the DRMO was a hazardous materials storage area. Potential contaminants were PCB-containing waste oil, metals, and PCBs (Army, 2002).

Site characterization consisted of drilling soil borings to collect soil samples for chemical analysis. Ten inorganic compounds were detected at the site. The selected compounds were below the associated PRG values except for arsenic, which was detected above PRG but below the background threshold value. Detectable concentrations of oil and grease and unknown TPHd were reported in several near-surface samples in the open field and from borings located near Buildings 110 and 111. Oil and grease detections appeared to be associated with degraded asphalt, either remnants of a former asphalt road or crushed asphalt that was placed at the site. The maximum concentrations of unknown TPHd (280mg/kg) was below the TPH PRG value of 500 mg/kg. Results of the investigation and the SRE indicated an acceptably low risk to human health. The basewide ERA indicated exposure by ecological receptors to chemicals at Site 29 was expected to be below levels of concern. No significant impact to groundwater quality was expected from the TPH as diesel detected at Site 29 (HLA, 1994c).

The main DRMO hazardous materials storage area was subsequently closed under RCRA (HLA, 2000).

Based on the results of the investigation, no further action at Site 29 was recommended. Site 29 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995h).

The parcel associated with Site 29 that is included in the partial deletion is L23.3.2.1.

Site 35 – FAAF Aircraft Cannibalization Yard

Site 35, the FAAF Aircraft Cannibalization Yard, was an approximately 11-acre undeveloped area across which aircraft debris has been scattered, west of the northern portion of the FAAF. The FAAF FDA is approximately 800 feet north of the site and located hydraulically downgradient, eliminating groundwater concerns from the FAAF FDA at Site 35. Debris consisted of helicopter and small plane fuselages, jet engines, and wing sections. Potential contaminants associated with the site are engine oils and fuels that many have leaked from the aircraft parts, and possibly solvents from aircraft cannibalization activities (Army, 2002).

A soil gas survey was conducted at and north of the site (i.e., in the direction towards the FAAF FDA). The soil gas survey was conducted to screen the shallow soil for the presence of VOCs in unsaturated soil, and to select boring locations. Soil gas samples were collected and analyzed for total hydrocarbons and other selected VOCs. Following the completion of soil gas survey, three soil borings were drilled to an approximate depth of 20 feet bgs. Soil samples were collected and analyzed for TPH as gasoline and diesel, VOCs, priority pollutant metals, and pH.

No VOC concentrations were reported above the laboratory reporting limits. Mercury was detected above its background value, but below its PRG. Beryllium was detected above its PRG, but below its background value. Results of the investigation and the SRE indicated an acceptably low risk to human health. The basewide ERA indicated that exposure by ecological receptors to chemicals at Site 35 was expected to be below levels of concern (HLA, 1995a).

Based on the results of the investigation, no further action at Site 35 was recommended. Site 35 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995d).

As the site was used as an aircraft cannibalization yard with no further association of activities that occurred at the FAAF FDA other than the proximity in location, there is no documentation to support suspected use of PFAS containing compounds, including AFFF, at the site. There are no PFAS concerns at the site.

The parcel associated with Site 35 that is included in the partial deletion is S2.1.3.

Site 37 – Trailer Park Maintenance Shop

Site 37, the Trailer Park Maintenance Shop, was near the northwest portion of Fort Ord and served as the maintenance storage yard for the adjacent trailer park. Potential areas of concern were the waste oil drum storage area, degraded and stained asphalt at a former location of an aboveground tank, and the storm drain inlet that collected runoff from the site (Army, 2002).

Site characterization activities consisted of drilling soil borings at these locations to collect soil samples for chemical analysis. Arsenic was detected at concentrations above its PRG, but below its background threshold value. Total chromium, for which there is no PRG, was detected below the background threshold value. Both the oil and grease and the TPH concentrations were below the TPH PRG of 500 mg/kg. Results of the investigation and the SRE indicated acceptably low risk to human health and the basewide ERA indicated that exposure by ecological receptors to chemicals at Site 37 was expected to be negligible (HLA, 1994a).

On the basis of investigations completed and summarized above, no further action at Site 37 was recommended. Site 37 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1995e).

The parcel associated with Site 37 that is included in the partial deletion is L27.

Site 38 – AAFES Dry Cleaners

Site 38 was an AAFES dry cleaning facility in the Main Garrison. The site consisted of three USTs. Initial site characterization activities included the removal of Tank 3, which had not been used for at least 2 years, and the collection of a soil sample from beneath the bottom of the tank for chemical analysis. No detection of TPH as diesel, VOCs, BTEX, or TPHg were reported in the soil sample. Tanks 1 and 2 were removed in August 1994. Soil samples were collected from the walls and floor of the excavation pit and from the excavated stockpiled soil. Analysis of samples from the excavation pit did not detect any of the analyzed chemicals. Soil samples from excavation stockpile only detected TPH as diesel at a maximum concentration of 44 mg/kg (HLA, 1995f).

Based on the chemical data collected at Site 38, no adverse health effects were expected to be associated with this site. Since the contaminated soil had been removed, no potential pathway to groundwater for organic compounds existed. Impacts to ecological receptors were also likely to be negligible. On the basis of investigations completed, no further action at Site 38 was

recommended. Site 38 was included in the No Action Plug-in ROD as a Category 1 site based on findings under the RI/FS program (Army, 1996).

The parcel associated with Site 38 that is included in the partial deletion is S1.5.1.1.

HA-79 – 22 Caliber Small Arms Range

HA-79, a 22 Caliber Small Arms Firing Range, is located within the East Garrison and was identified on the 1940 Camp Ord Training map. This historical area is contained within Site 39A. Site reconnaissance was conducted in May 2001 at which time no spent small arms ammunition or targets were mapped, however due to dense vegetation it was difficult to map the ground surface. Site characterization sampling was recommended for antimony, copper, and lead in soil based on site historic use. Sampling was conducted in August 2001 at four locations and December 2002 at five locations based on results of the 2001 sampling. Maximum detected concentrations for lead was 130 mg/kg, for copper was 13 mg/kg, and for antimony 2 mg/kg. Based on the collected analytical results, lead concentrations were below the Interim Action ROD PRG of 240 mg/kg and that the health risks from possible exposure to the site related components of the site-related chemicals evaluated at HA-79 were acceptably low (Army, 2009a).

Based on the chemical data collected at HA-79, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at HA-79, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-79 was recommended. HA-79 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FS program (Army, 2009a).

Based on the collected analytical data, the site was re-evaluated in the *Revised Technical Memorandum, Evaluation for Lead Contamination at Selected Sites, Former Fort Ord, California* for protectiveness of lead impacted sites. HA-79 was included in the evaluation of Site 39A. The concentrations for in-place soils at Site 39A were less than 223 mg/kg and the 95% concentration was calculated to be 77.9 mg/kg. As such, the site was confirmed protective of human health and the environment (KEMORN, 2019).

The parcel associated with HA-97 that is included in the partial deletion is L23.3.3.1.

HA-92 – Old Demolition Training Area

HA-92 is located in Parker Flats and was used as a land mine, anti-armor course, and demolition area. Munitions removal was conducted in October 1998. Site reconnaissance in August 2001 identified two sets of blank small arms ammunition casings and an old ammunition burn pit. Soil samples were collected at 10 locations in June 2002 and analyzed for lead, copper, antimony, TPH, SVOCs, and explosives. Based on sampling results, copper, di-n-butylphthalate, TPHd, and TPHmo were identified as site related chemicals. Analysis of the site related chemicals indicates that the health risks from possible exposure at HA-92 is acceptably low (Army, 2009b).

There is no suspected use of AFFF and subsequent PFAS concerns at this site. AFFF is intended for use on petroleum-based fires. As the description of the burn pits at HA-92 suggest non-petroleum items were disposed of in the pits there is no reason to suspect use of AFFF.

Based on the chemical data collected at HA-92, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at the site, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-92 was recommended. HA-92 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FS program (Army, 2009b).

The parcel associated with HA-92 that is included in the partial deletion is E19a.4.

HA-98 – Leary Hill Region

HA-98 is located within the eastern part of the former Fort Ord, and was used for various training activities throughout Fort Ord's history. Training Site 9, an overnight bivouac area used in the 1970s and 1980s, is located within HA-98. Munitions removal was conducted in 1997. Site reconnaissance in August 2001 identified several areas of concern, and recommended sampling to evaluate the presence of chemical residue in areas where military munitions were identified or where 55 gallon drums were located. Soil samples were collected at ten locations in June 2002 and analyzed for TPH, perchlorate, explosives, and SVOCs. TPHd, TPHg, and TPHmo were the only analytes detected at the site. Evaluation of detected chemicals indicates possible exposure to site related chemicals is acceptably low (Army, 2009c).

Based on the chemical data collected at HA-98, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at the site, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-98 was recommended. HA-98 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FS program (Army, 2009c).

The parcel associated with HA-98 is F1.3 which remains on the NPL due to the status of munitions response.

HA-100 – Demolition Training Area

HA-100 is located south of the main East Garrison Area and was used as a live grenade training range. Munitions removal was conducted in 1998-1999. Site investigation was recommended at HA-100 to investigate the possibility of explosive residue related to site historical use as a live grenade training area. Soil samples were collected at 13 locations in July 2002 and five more locations in December 2004 based on 2002 chemical results. Perchlorate and trinitrotoluene (TNT) were detected at low concentrations, maximum of 106 µg/kg for perchlorate and 500 µg/kg for TNT. Analysis of the site related chemicals indicated that health risks from possible exposure at HA-100 are acceptably low (Army, 2009d).

Based on the chemical data collected at HA-100, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at the site, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-100 was recommended. HA-100 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FS program (Army, 2009d).

The parcel associated with HA-100 that is included in the partial deletion is E11b.7.1.1.

HA-121 – Rifle Grenade Range

HA-121 is located in the eastern portion of the former Fort Ord and was used as a rifle grenade range. Military munitions investigation was conducted in 1996. Site reconnaissance conducted in August 2001 identified various areas of concern. Sampling was recommended to evaluate areas where smoke producing items were used during training, and to identify whether chemicals associated with identified 55 drums were present in soil. Soil samples were collected at nine locations and analyzed for VOCs, SVOCs, explosives, perchlorate, and TPH. TPHd, TPHg, TPHmo, and VOCs were detected at the site. Analysis of the site related chemicals indicated that health risks from possible exposure at HA-121 are acceptably low (Army, 2009e).

Based on the chemical data collected at HA-121, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at the site, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-121 was recommended. HA-121 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FS program (Army, 2009e).

The parcel associated with HA-121 is F1.3 which remains on the NPL due to the status of munitions response.

HA-183 – Shoulder Launched Projectile Area

HA-183 is located within Parker Flats and was used as a rifle grenade and shoulder-launched projectile firing range. Munitions removal was conducted in October 1998. Site reconnaissance in August 2001 identified two sets of blank small arms ammunition castings, an empty 55 gallon drum, and several old ammunition burn pits. This range was used from the 1940s through the 1960s (IT, 2002). As AFFF was not used at Army installations before 1973, there are no PFAS concerns at this site. Soil samples were collected at fourteen locations in July 2002. All samples were analyzed for perchlorate and explosives. Samples collected near the 55 gallon drum were analyzed for TPH and SVOCs. Analytes were selected based on the site's historical use. TPHd and TPHmo were the only detections, at maximum concentrations of 1.8 mg/kg and 14 mg/kg respectively. Evaluation of site related chemicals indicates that health risks from possible exposure at HA-183 are acceptably low (Army, 2009f).

Based on the chemical data collected at HA-183, no adverse health effects are expected to be associated with this site. Based on the chemical results and the depth to groundwater at the site, impacts to groundwater at the site are not expected. No additional action is required to address ecological receptors. On the basis of investigations completed, no further action at HA-183 was recommended. HA-183 was included in the No Action Plug-in ROD as a category 1 site based on findings under the RI/FA program (Army, 2009f).

The parcel associated with HA-183 that is included in the partial deletion is E19.a.5.

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Remedial Investigation Sites

The RI Sites ROD (Army, 1997) addresses the following sites investigated under the Basewide RI/FS Program at Fort Ord: RI Sites 2 and 12, 16 and 17, 31, and 39; surface water outfalls OF-1 through -14, OF-16 through -30, OF-32 and -33 (Site 4); and two additional sites, Sites 25 and 33.

Site 2 Main Garrison Sewage Treatment Plant and Site 12 Four Sub-Areas

Site Background and History

Site 2 comprises an area of approximately 28 acres that included the infrastructure associated with the Main Garrison Sewage Treatment Plant (MGSTP), which was the primary sewage treatment facility for Fort Ord. This facility served the majority of the housing areas and the main industrial areas from the late 1930s until it was decommissioned in May 1990. The former treatment facility was fenced and contained several buildings and two large trickling filters. Three unlined sewage ponding areas and ten asphalt-lined sludge-drying beds were located outside of the fenced area. During operation, effluent from the MGSTP was discharged in accordance with a National Pollutant Discharge Elimination System permit to a storm drain that emptied to the west onto Indian Head Beach during low tide and discharged to Monterey Bay during high tide. Sewage from the former Fort Ord area now flows via gravity to a pumping station in Marina and is then pumped to the Monterey Regional Treatment Plant in Marina. Potential contaminants associated with the former MGSTP included metals, pesticides, and hydrocarbons.

Site 12 includes four former operations areas south and east of Imjin Parkway and State Route 1 in an area now mostly occupied by commercial retail complexes. The four major areas include the Lower Meadow Disposal Area, the Directorate of Logistics (DOL) Automotive Yard, the Cannibalization Yard, and the railroad spur, as described below. Only the SRU, not including those parcels associated with the on-going soil-gas rebound study, is included in the partial deletion at this time. The parcels associated with Site 2 and Site 12 that are included in the partial deletion are S3.1.1 and S3.1.2.

Lower Meadow Disposal Area. The Lower Meadow was an approximately 2-acre grassy field east of State Route 1, near the former Twelfth Street gate. The Lower Meadow was approximately 5 feet lower than the adjacent DOL Automotive Yard and received runoff from the surrounding area. Several drainpipes and outfalls were present in the eastern and southeastern portions of the site, but it is unknown whether these were designed as drainage lines. No buildings were present in the Lower Meadow. The Lower Meadow previously was used to dispose of waste material generated by the DOL, such as scrap metal, oil, and batteries, and also was reported to contain road construction waste. Contaminated soil and associated debris were excavated during cleanup activities at the site, and the area was backfilled with clean soil (Army, 2017).

DOL Automotive Yard. The DOL Automotive Yard is east of State Route 1 and northeast of the railroad spur that ran east from First Avenue. The 8.5-acre fenced site was adjacent to Twelfth Street to the north and the Lower Meadow to the west. The site included a paint shop, two wash racks, one temporary hazardous waste container storage area, an oil/water separator, an aboveground storage tank (AST), and several buildings that housed automotive repair operations. The site was paved and sloped gently to the west. Documented site activities included transmission repair, degreasing, testing, vehicle steam cleaning and washing of

engines, and petroleum/oil/lubricant storage. A buried container, which originally was used as a muffler for exhaust from engine testing, also may have been used for liquid waste storage. Tanks and contaminated soils were excavated during cleanup activities at the site, and the area was backfilled with clean soil.

Cannibalization Yard and Industrial Area. The Cannibalization Yard was a small (0.5-acre) paved and fenced area located within the larger (18.5 acres) paved and fenced Industrial Area. The entire 18.5-acre area was bounded by State Route 1 to the west, a baseball field to the east, and Tenth Street to the south. The railroad spur separated the Industrial Area from the DOL Automotive Yard to the north. The area included a machine shop, a furniture repair shop, a laundry facility, a temporary hazardous waste container storage area, an oil/water separator, and an AST used for storing waste oil. Beginning in 1964, the Cannibalization Yard was used for disassembling old equipment, primarily decommissioned military vehicles. Used motor oil was collected and stored on site in 55-gallon drums, and also in the 450-gallon AST for a brief period (between January 1988 and August 1988). Other vehicle maintenance activities included removal and storage of the following types of fluids and parts: gasoline (leaded and unleaded), diesel fuel, brake fluid, asbestos-containing brake shoes and linings, antifreeze/coolants, lead and acid from batteries, lubricating greases, and transmission fluids. Prior to the installation of the oil/water separator at the northeastern corner of the yard, runoff from the site flowed down the sloped area northeast of the Cannibalization Yard toward the baseball field. Contaminated soils were excavated during cleanup activities at the site, and the area was backfilled with clean soil.

Remedial Investigation and Feasibility Study

The scope of the RI at Sites 2 and 12 (Sites 2/12) included two phases. The Site 2 MGSTP Phase 1 investigation included characterization of soil, soil gas, and groundwater. The Site 12 Phase 1 investigation included characterization of soil, soil gas, and groundwater, geophysical surveys and trenching in the Lower Meadow to characterize the extent of landfill materials, and sampling liquid in the underground muffler at the DOL Automotive Yard.

The purpose of the Phase 2 investigation was to further characterize Sites 2/12 through the investigation of data gaps identified during the Phase 1 investigation. The investigation of Sites 2/12 were combined in Phase 2, and three types of investigations were performed:

- The hydrogeology investigation included additional groundwater monitoring, seismic reflection profiling, tidal influence monitoring, and aquifer testing.
- The source characterization included additional characterization of soil, soil gas, and groundwater, and excavation and removal of the buried muffler in the DOL Automotive Yard.
- The groundwater contamination investigation included additional characterization of groundwater.

Additionally, soil and groundwater samples were collected from Sites 2/12 under three basewide investigations (Basewide Hydrogeologic Characterization, Baseline Ecological Risk Assessment, and Basewide Surface Water Outfall Investigation).

The results of the RI indicated there were no significant continuing source areas at the MGSTP, Lower Meadow, DOL Automotive Yard, Cannibalization Yard and Industrial Area, and the railroad spur.

The FS recommended the following remedies for soil and groundwater:

- Soil excavation and land farming.

- Groundwater extraction, treatment, and injection.

Selected Remedy

The initial proposed reuse plan for Site 2 included outdoor and indoor aquaculture facilities for raising fish and shellfish, with additional research facilities to support oceanographic studies, and an open space area. Reuse planned for Site 12 included a central business district, light industrial areas, a high-tech business park, a transit center, retail businesses, medium to high-density residential areas, and a school.

To meet the proposed reuse plan, the following RAOs were identified in the Remedial Investigation/Feasibility Study (RI/FS) for Sites 2/12 and are still appropriate for the current planned use:

- No unacceptable human health risks were associated with direct exposure to soil; however, an RAO for protection of groundwater was established to remediate TPH in soil to a concentration of 500 milligrams per kilogram (mg/kg) or less.
- Reduce or eliminate human health risks associated with potential exposure to groundwater.
- Removal of TPH-contaminated soil and construction debris at Site 12.

To meet the RAOs, the selected and documented remedy for Sites 2/12 in the RI Sites ROD (Army, 1997) included the following components:

- Groundwater extraction and treatment by GAC.
- Disposal of treated groundwater by reuse aboveground or injection or infiltration of treated water back into the aquifer.
- Deed restriction on groundwater use.
- Excavation of approximately 16,000 cy of soil containing TPH concentrations above the cleanup goal of 500 mg/kg from the Lower Meadow Disposal Area, and placement at the OU2 Landfills.
- Excavation of approximately 3,800 cy of soil containing TPH concentrations above the cleanup goal of 500 mg/kg from the Outfall Area and Cannibalization Yard, and placement at the OU2 Landfills.

In 2016, the RI Sites ROD was supplemented by the ESD No. 1 (Army, 2016) to add the SVETS designed to remediate soil gas containing COCs above Soil Gas Cleanup Levels (SG-CLs). The selected and documented remedy for soil gas at Sites 2/12 in the ESD includes the following components:

- SVE and treatment with GAC, and
- Soil gas monitoring during remediation.

Response Actions

The first stage of the excavation at the Lower Meadow was completed between March 3 and April 24, 1997. Approximately 37,000 cy of construction debris and TPH-impacted soils were removed and transported to the OU2 Landfills as general fill. After the removal of the construction debris, TPH-impacted soil appeared to be present in the northern wall of the excavation. To evaluate the lateral and vertical extent of TPH-impacted soil north of the excavation, a soil boring investigation was performed between May 19 and 22, 1997.

Evaluation and correlation of the results of the first soil boring investigation with visual observations within the excavation indicated the need for additional subsurface data to better

define the lateral and vertical extent of the TPH contamination. A second soil boring investigation was performed between July 28 and 31, 1997.

Lower Meadow excavation boundaries were expanded based on the results of the two soil boring investigations. After additional excavation was conducted, TPH-impacted soil and debris removal was again halted in the northern portion of the Lower Meadow excavation area in November 1997 because of uncertainty about the extent of TPH-affected soil visible in the excavation walls and encountered in borings north of the excavation. TPH-affected soil appeared to be present in the northern walls of the excavation in a nearly horizontal zone, apparently continuous around the north face of the excavation between approximately 15 and 25 feet bgs. A third soil investigation was conducted, the excavation boundaries were expanded, and excavation was resumed in June 1998. Excavation at the Cannibalization Yard was conducted in two small areas, the northern and southern excavations, corresponding to the SRUs identified in the RI Sites ROD (Army, 1997).

The excavation boundaries generally coincided with the planned limits, except in the northern excavation where the excavation was extended further to the north. The excavation was backfilled after confirmation sample analytical results showed there were no TPH concentrations exceeding the soil cleanup level.

Approximately 67,100 cy of soil and debris were excavated during the soil remediation at Sites 2/12. Approximately 58,400 cy were designated potentially impacted by debris or TPH, based on either visual observation or sample analytical results, and were placed in the OU2 Landfills as general fill. This volume included 200 cy from the Cannibalization Yard. The remaining 8,700 cy of excavated soil was not impacted by debris or TPH and was stockpiled on site and later used to backfill the Lower Meadow excavation (IT, 1999).

Construction of the Sites 2/12 soil gas remedy is documented in the SVETS O&M Manual (Ahtna, 2015). Soil vapor extraction and treatment first occurred at Sites 2/12 on May 9, 2014 as part of a pilot study performed with five SVE wells over 38 days (AES, 2015). Continuous full-scale SVE and treatment began on September 14, 2015 (Ahtna, 2017).

The Sites 2/12 SVETS is a component of the groundwater remedy and currently consists of the soil vapor treatment unit (SVTU) and ten SVE wells located at Site 12. Five SVE wells were installed in 2014 as the original SVE pilot study network. Five additional SVE wells were installed in 2015 as part of the full-scale soil gas remedial system and are located to the north of the original SVE pilot study network.

System operations consist of vadose zone soil gas extraction from SVE wells at Site 12. Extracted soil gas is piped to the 2/12 SVTU where COCs are removed by adsorption to vapor-phase GAC and treated soil gas is vented to the atmosphere. The 2/12 SVTU consists of system controls, a positive displacement blower (vacuum pump), and two 3,000-pound vapor-phase GAC vessels operated in series.

The SVETS is operating until COC concentrations in soil gas have met the Soil Gas QAPP criteria. A soil gas rebound study will be conducted to confirm if COC concentrations are stabilizing or declining once the SVETS ceases operation. This portion of the soil remedial unit remains on the NPL. The parcels associated with the SVETS remedy and the future soil-gas rebound study are E2b.2.1, E2b.2.2, E2b.2.5, and L12.3. While parcels S3.1.1 and S3.1.2 associated with Site 2 (the beach parcels) were included in the Sites 2/12 remedial action, there is no operating remedy within these parcels (Ahtna, 2019a). As there are no soil or soil gas concerns associated with these parcels, these parcels are included in the partial deletion. The groundwater remedy at this site is on-going; groundwater is not included in the partial deletion.

Cleanup Levels

The documented ROD cleanup level for TPH-contaminated soils at Site 2 and 12 is 500 mg/kg (Army, 1997). The remedial action completed for TPH-impacted soils at Sites 2/12 meets the RAOs established in the RI Sites ROD (Army, 1997) for removal of TPH-contaminated soil and debris. At the completion of excavation, achievement of the RAOs was demonstrated by meeting the following criteria:

- All final confirmation samples contained less than 500 mg/kg of TPH.
- Field personnel observed and documented the removal of debris and stained or odorous soil material from the excavation.

The COCs and SG-CLs selected for treatment of soil gas at Sites 2/12 are documented in the ESD No. 1 (Army, 2016) as follows:

- Tetrachloroethene (PCE): 1,800 µg/m³
- Trichloroethene (TCE): 1,000 µg/m³

The quarterly SGMP at Sites 2/12 began in the First Quarter 2015 after an RI/FS Addendum was conducted as presented in the *Final Remedial Investigation/Feasibility Study Addendum at Sites 2/12, Former Fort Ord, California* (RI/FS Addendum; AES, 2015). The SGMP includes collecting soil gas samples for chemical analysis from soil gas probes and SVE wells associated with Sites 2/12. The presence and concentration of soil gas COCs associated with Sites 2/12 are compared with each COC's SG-CL to determine their horizontal and vertical distribution in the vadose zone.

The remedial activities that have been completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas. There is no human health exposure to contaminated groundwater or soil gas at the site. Remedial actions for soil have been completed at the site. Remedial actions for soil-gas are on-going. Only those parcels not associated with the on-going soil gas remedy are included in the partial deletion.

Operations and Maintenance

Because the RAOs for removal of TPH-impacted soil at Sites 2/12 were achieved during the remedial action for soil, there are no remedial systems to operate or maintain for soil. SVETS operations are conducted and routine maintenance activities are performed following procedures in the SVETS O&M Manual (Ahtna, 2015).

As specified in the RI Sites ROD (Army, 1997), the remedy includes institutional controls (i.e., deed restrictions) to prevent the use of groundwater within the contaminant plume for domestic or agricultural purposes. There are no institutional controls required or implemented for soil and soil gas.

Determination that the Criteria for Deletion have been Met

The implemented remedies for soil achieve the degree of cleanup or protection specified in the RI Sites ROD (Army, 1997) for the deletion parcels (S3.1.1 and S3.1.2), and no further Superfund response is needed to protect human health and the environment.

Document References

- Ahtna Engineering Services, LLC (Ahtna), 2015. *Final Remedial Investigation/Feasibility Study Addendum at Sites 2 and 12, Former Fort Ord, California*. February 27. AR# BW-2721B

- Ahtna, 2015. *Final Operations and Maintenance Manual Volume III, Sites 2 and 12 Soil Vapor Extraction and Treatment System, Former Fort Ord, California* (SVETS O&M Manual). December 17. AR# BW-2763A
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- Army, 2016. *Explanation of Significant Differences No. 1, Basewide Remedial Investigation Sites 2 and 12, Former Fort Ord, California*. February 1. AR# BW-2794
- Army, 2017, 4th Five-Year Review Report for Fort Ord Superfund Site, Monterey County, California. September. AR# BW-2834
- Army, 2019a. *Final Hazardous and Toxic Waste (HTW) Base Realignment and Closure (BRAC) Cleanup Team (BCT) Meeting Minutes, June 19, 2019*. AR# BW-2859
- Army, 2019b. *Final Hazardous and Toxic Waste (HTW) Base Realignment and Closure (BRAC) Cleanup Team (BCT) Meeting Minutes, July 12, 2019*. AR# BW-2859
- U.S. Environmental Protection Agency (EPA), 1999. *Letter from the EPA dated September 20, 1999 to the Department of the Army regarding the Draft Final Remedial Action Confirmation Report, Post-Remediation Health Risk Assessment, Sites 12, Basewide Remedial Investigation Sites, Fort Ord, California*. September 20. AR# BW-2031

Site 4 – Beach Stormwater Outfalls

Site Background and History

Most of the storm drainage system at the former Fort Ord was designed and built in the early 1940s, separate from the sanitary sewer system lines. As the base grew, the storm drainage system was expanded, but the major lines in the Main Garrison still ran from east to west. An extensive system of branches fed into the major lines and collected surface runoff from housing/recreational areas, motor pools, maintenance yards, and light industrial facilities (HLA, 1991). The main storm drain lines in the Main Garrison discharged storm runoff at two outfalls in the dune areas, one outfall on the beach, and four outfalls approximately 30 feet above the surf zone along the Monterey Bay (collectively Site 4; HLA, 1995a). Before the mid-1960s, no releases to the storm drains were treated prior to discharge at the outfalls. Later, oil/water separators were installed at motor pools and maintenance yards, some of which had wash racks discharging directly to the storm drainage system. If improperly operated, the oil/water separators could overflow and release hazardous materials to the storm drains. Additionally,

storm drain inlets were readily accessible and could have received unauthorized discharges of oil, fuel, and solvents (HLA, 1991).

The parcels associated with Site 4 that are included in the partial deletion are S3.1.1 and S3.1.2.

Remedial Investigation and Feasibility Study

The Basewide Surface Water Outfall Investigation was performed as part of the Basewide RI/FS to assess environmental conditions at surface water outfalls or locations of concentrated surface drainage across Fort Ord. Organic or inorganic compounds released onto the ground surface in areas of known historical chemical usage could be transported away from these areas via surface drainage features, such as storm drain inlets, concrete ditches, or natural channels. The purpose of the basewide investigation was to evaluate the discharges from the surface water drainage system (including the storm drain system) and characterize the impact of these discharges on the soils at the outfalls. The work completed for this investigation was performed in accordance with the final RI/FS Work Plan (HLA, 1991).

The Basewide Surface Water Outfall Investigation evaluated contamination within and adjacent to thirty-five outfalls and manholes, including the Site 4 stormwater outfalls. The scope of the RI at the outfalls included:

- Review of storm drain system and topographic maps.
- Interviews of base personnel to identify storm drain system components, assess their age and condition, and identify releases suspected to have entered the storm drain system.
- Identification of outfall locations and points of surface water collection.
- Soil and sediment sampling and analyses for TPH, VOCs, priority pollutant metals, pesticides, PCBs, PAHs, and total organic carbon (TOC).
- Soil gas sampling and analyses for total hydrocarbons and VOCs.
- A human health screening risk evaluation to evaluate possible impacts of chemicals detected in the outfall sediment and soil samples.

The results of the RI indicated:

- OF-15 was the only outfall among the surface water outfalls that required further characterization or evaluation. Based on the data from OF-15, impacted soil at OF-15 should be excavated under the Interim Action Record of Decision (IAROD; Army, 1994). (See OF-15 under the Interim Action section for more information.)
- OE-34 and OF-35 were identified after the first phase of the investigation was conducted. Based on the data from OF-34, further characterization of the soil contamination will be conducted under the IAROD. Based on the data from OF-35, soil excavation at the sampling location under the IAROD was recommended. (See OF-34/35 under the Interim Action section for more information.)
- All the remaining outfalls required no further action (NFA; HLA, 1995b).

The FS did not include Site 4 because the RI recommended excavation of soil under the IAROD (Army, 1994) for three of the outfalls, and identified no action for the other outfalls investigated as part of the RI.

Selected Remedy

The RI Sites ROD (Army, 1997) was finalized in 1997 and stated OF-15 and OF-34/35 would be remediated under the IAROD. Additionally, NFA is required for the other outfalls investigated as

part of the RI. Accordingly, there are no RAOs for Site 4 outfalls because the SREs indicated there are no unacceptable risks to human health and the environment associated with the presence of chemicals at these outfalls.

Response Actions

No response actions were required at surface water outfalls OF-1 through -14, OF-16 through -30, OF-32 and -33 (Site 4).

Cleanup Levels

No cleanup levels are necessary for the selected remedy.

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 4.

Determination that the Criteria for Deletion have been Met

The selected remedy achieves the degree of cleanup or protection specified in the RI Sites ROD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

- Harding Lawson Associates (HLA), 1991. *Work Plan, Remedial Investigation/Feasibility Study, Fort Ord, California*. December 12. AR# BW-0209
- HLA, 1995a. *Volume I – Draft Final Basewide Surface Water Outfall Investigation, Remedial Investigation/Feasibility Study, Fort Ord, California*. May 17. AR# BW-1146
- HLA, 1995b. *Basewide Remedial Investigation/Feasibility Study, Fort Ord, California, Volumes I through VI*. October 19. AR# BW-1283A
- HLA, 1998. *Interim Action Confirmation Report, Outfall 15, Former Fort Ord, California*. September 3. AR# IAFS-213
- U.S. Department of the Army (Army), 1994. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1997. *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California*. January 13. AR# RI-025

Sites 16 and 17

Site Background and History

Sites 16 and 17 are located in the Main Garrison area of the former Fort Ord. The sites lie directly south of Eighth Street, on either side of Fifth Avenue, and occupy a total area of 67 acres. Sites 16 and 17 and the immediate surrounding area were formerly used for vehicle and equipment maintenance. Before the present buildings were constructed, the sites were also used for disposal of debris and refuse.

Prior to remediation, Site 16 consisted of the following areas:

DOL Maintenance Yard. The DOL Maintenance Yard formerly consisted of six buildings and structures and a gravel and asphalt concrete yard enclosed within a fenced area. The DOL Maintenance Yard was developed in the 1950s for use as a heavy equipment maintenance

facility (Army, 1997). Activities at the yard included vehicle and weapons repair; weapons bluing; spray painting; steam cleaning; washing; and storage of paint, nonhazardous materials, and unused motor oil.

Pete's Pond Extension and Pete's Pond. These are low areas that fill with precipitation and runoff during rainy periods. Pete's Pond and Pete's Pond Extension existed prior to development of the area. A review of aerial photographs indicated that refuse was dumped into the depressions during the late 1940s or early 1950s (Army, 1997).

Prior to remediation, Site 17 consisted of three areas:

1400 Block Motor Pool Complex. This area, which includes Buildings 1476 through 1495, was constructed in about 1977. The facility was used to service motor vehicles, including light and heavy trucks and other Army vehicles. Various materials, including lubricating oils, brake fluid, coolants, cleaning solvents, diesel, and gasoline were stored in underground storage tanks (USTs). The USTs were removed as part of the UST program at Fort Ord, and all UST locations have been granted clean-closure status by the Monterey County Health Department.

Storage Buildings on Fourth Avenue. These buildings were built in the 1940s for storage of various materials. For example, corrosive chemicals were stored in Buildings 1431 and 1435. Building 1442 previously housed an incinerator for waste generated from the first Fort Ord Hospital, constructed in the 1940s.

Disposal Area. This area was used extensively to dispose of debris at Fort Ord; other than aerial photographs, there are no known sources of information on site history related to disposal.

The parcels associated with Sites 16 and 17 that are included in the partial deletion are L5.8.1, L5.8.2, L20.17.1, S1.5.1.1, and S1.5.1.2.

Remedial Investigation and Feasibility Study

The objectives of the RI at Sites 16 and 17 were to determine the source areas of potential contamination and to define the nature and extent of that contamination. A further objective was to collect sufficient data to carry out human health and ecological risk assessments and FS. The Basewide RI/FS (HLA, 1995) provides detailed information on the RI performed at Sites 16 and 17. The results of the RI are summarized in the RI Sites ROD (Army 1997) as follows:

DOL Maintenance Yard: Chemicals, including dioxins and light and heavy TPH, such as diesel (TPHd), were detected in near-surface soil samples.

Pete's Pond Extension: Incinerated debris and medical debris was landfilled in Pete's Pond Extension. Other detected debris included ordnance, glass bottles, metal, and one 55-gallon drum. Chemicals detected in soil samples included metals, organic compounds, TPH, and dioxins.

Pete's Pond: Debris was detected in several areas of Pete's Pond. Total oil and grease, pesticides, metals, and dioxins were detected in soil samples from Pete's Pond.

Site 17 Disposal Area: Incinerated and unincinerated debris was detected at the Site 17 Disposal Area. Unknown diesel-like chemicals and motor oil, metals, and dioxins were detected in soil samples from the Disposal Area.

Other Site 17 Areas: TPH as diesel, silver, and copper were each detected once in soil samples from other areas (Storage Buildings on Fourth Avenue and Disposal Area) at Site 17.

As part of the Sites 16/17 remedial investigation, groundwater samples were collected from three wells (MW-16-01-A, MW-17-01-A, and MW-17-02-180) in several rounds between March 30, 1992 and February 25, 1994. Sampling results indicated the following chemicals of concern at Sites 16/17: A-aquifer (PCE, TCE, and antimony) and Upper 180-foot aquifer (Carbon tetrachloride, PCE, and TCE). Based on soil and groundwater sampling at the site, there was no human health risk from soil contaminants, however the excavation of soil was recommended for protection of groundwater from detected levels of TPH in the soil. The groundwater contamination detected at Sites 16/17 was determined to be associated with the OU2 plume and is included in the OU2 remedy. As such, groundwater at Sites 16/17 was not considered an additional remedial unit (HLA, 1996). Groundwater media is not included in the partial deletion.

Selected Remedy

The RI Sites ROD (Army, 1997) presents the selected remedial action for soil at Sites 16 and 17. The selected remedy consists of excavation of TPH-contaminated soil and debris and disposal at the OU2 Landfills.

Based on the risk assessment presented in the Basewide RI/FS, the RI Sites ROD defines the following RAOs for Sites 16 and 17:

- No unacceptable human health risk associated with direct exposure to soil; however, the remedial action for protection of groundwater was to remediate TPH in soil to a concentration of 500 mg/kg or less (Army, 1997).
- Removal of debris because contamination in soil may be mixed with debris.

Response Actions

In October 1996, a pre-construction investigation was conducted for the areas at Site 16 that had been proposed for remediation in the RI Sites ROD (Army, 1997) and the *Remedial Action Work Plan, Remediation Sites, Fort Ord, California* (RAWP) (IT, 1997). The RAWP proposed excavation of ten separate areas at Site 16, and one at Site 17, that had been defined in three SRUs. Soil Remedial Unit 16-1 consisted of three small areas in the DOL Maintenance Yard, southwest of Building T-4900. Soil Remedial Unit SRU-2 consisted of one large area in Pete's Pond Extension (Site 16) and six areas in Pete's Pond. Soil Remedial Unit SRU-17 consisted of the Site 17 Disposal Area.

The purpose of the investigation was to confirm the locations of the Site 16 SRUs designated in the RI Sites ROD, to further delineate the limits of excavation required to remove buried debris and impacted soil exceeding cleanup levels, and to assist in forecasting remedial action excavation and backfill volumes. The investigation consisted of trenching to evaluate the presence of buried debris and to collect and analyze soil samples for TPH. The trenches were located in the SRUs and in other areas as directed by the Army (IT, 1999a).

The extent of remediation proposed in the Basewide RI/FS was refined based on the distribution of debris and TPH-impacted soil found during the investigation. Soil removal was initiated following delineation of the areas requiring remedial excavation (IT, 1999a):

Excavation of Site 16 was conducted from March 31 to June 26, 1997. Excavation of Site 17 was conducted from April 21 to October 14, 1997 (IT, 1999a). The remedial action at Sites 16 and 17 was conducted in 1997 and 1998 in accordance with the requirements of the RI Sites ROD (Army, 1997). Potential presence of munitions and explosives of concern (MEC) in this area was subsequently evaluated under the MMRP as a Track 1 site and no further action is required regarding munitions response.

Approximately 40,740 cy of soil were excavated during the remediation of Site 16. Approximately 27,770 cy were designated impacted by debris or TPH and were placed in the OU2 Landfills, Area E, as general fill. This volume consisted of 6,620 cy from the DOL Maintenance Yard, 230 cy from Pete's Pond, and 20,920 cy from Pete's Pond Extension. The remaining volume was not impacted by debris or TPH and was stockpiled on site and later used to backfill the excavations at both Site 16 and Site 17. Approximately 107,000 cy of soil and debris were excavated during the remediation of Site 17. All of this volume was considered to be impacted by debris or TPH and was used as general fill in Area E of the OU2 Landfills. Excavation continued until visible debris had been removed. Soil samples were then collected for analysis for TPH. When the concentrations of TPH were below the cleanup level, the excavation was stopped. Small amounts of debris observed adjacent to Building 1483 at Site 17 were not removed because of the building foundation (IT, 1999a).

Two rounds of excavation were required to achieve the RAOs at two locations at Site 16 because soil samples indicated the presence of TPH at levels above the cleanup level as follows:

- In the DOL Maintenance Yard, initial sampling indicated a TPH concentration >500 mg/kg in one sample (SS-113)
- In Pete's Pond, initial sampling indicated a TPH concentration >500 mg/kg in one sample (SS-059).

In both cases, over-excavation was performed at the sample locations by excavating 2-ft deep and halfway to the adjacent acceptable confirmation samples. Samples were then collected at the original sample location and on the sidewalls of the enlarged excavation. The final confirmation samples collected from each location demonstrated that the TPH concentration was less than the cleanup level. There were no TPH concentrations at Site 17 that exceeded the cleanup level, and no over-excavation was necessary. (IT, 1999a)

Inspections and confirmation sampling were conducted to demonstrate that RAOs were achieved through removal of TPH-contaminated soil and debris. Confirmation samples were collected to verify that soil materials left in place did not contain TPH in excess of the cleanup level of 500 mg/kg defined in the RI Sites ROD. First-round confirmation samples were collected from the sidewalls and bottoms of excavations after field personnel had observed the removal of debris or stained or odorous soil materials. Additional excavation was conducted in any areas found to contain TPH at a concentration equal to or greater than 500 mg/kg. This process necessitated the collection of second-round confirmation samples at two locations. (IT, 1999a)

After excavation was completed, achievement of the RAOs was demonstrated by meeting the following criteria:

- Field personnel observed and documented the removal of debris or stained or odorous soil materials from the excavation.
- All final confirmation samples contained less than 500 mg/kg of TPH.

Cleanup Levels

A TCC of 500 mg/kg or less was identified for TPH in soil at Sites 16 and 17 (Army, 1997).

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Sites 16 and 17.

Determination that the Criteria for Deletion have been Met

The Construction Close-Out Report for Sites 16 and 17 (IT, 1999b), in conjunction with the Sites 16 and 17 RACR (IT, 1999a), provides documentation that the remedy identified in the RI Sites ROD was completed. The implemented remedy achieves the degree of cleanup or protection specified in the RI ROD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

- Harding Lawson Associates (HLA), 1995. *Basewide Remedial Investigation/Feasibility Study, Fort Ord, California*. July 27. AR# BW-1283A
- IT Corporation (IT), 1997. *Remedial Action Work Plan, Remediation Sites, Fort Ord, California*. October. AR# BW-1520D
- IT, 1999a. *Remedial Action Confirmation Report and Post-Remediation Health Risk Assessment. Sites 16 and 17 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California*. April. AR# BW-2021A
- IT, 1999b. *Construction Close-Out Report Sites 16 and 17, Basewide Remedial Investigation Sites, Former Fort Ord, California*. October. AR# BW-2022B
- U.S. Department of the Army (Army), 1997. *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California*. January 13. AR# RI-025
- U.S. Environmental Agency (EPA), 1999. *Letter from the EPA dated September 20, 1999 to the Department of the Army regarding the Draft Final Remedial Action Confirmation Report, Post-Remediation Health Risk Assessment, Sites 16 and 17 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California*. September 20. AR# BW-2021B

Site 25 – Former Defense Reutilization and Marketing Office (DRMO)

Site Background and History

Site 25 is an approximately 11-acre field southeast of the intersection Ninth Street and Fourth Avenue in the northwestern quadrant of the former Fort Ord. The site was historically used for the storage of decommissioned equipment, including electrical transformers. Miscellaneous hazardous wastes, such as waste oil, diesel fuel, and miscellaneous solvents, may also have been stored at the site for varying periods; however, there are conflicting reports regarding such storage.

Prior to 1950, the site served as a prisoner of war camp, officers' quarters, mess hall, administrative building, and warehouse complex. The site was used to store decommissioned equipment from 1950 through 1972, including transformers containing PCBs. After 1972, the site was used periodically for military training exercises and heavy vehicle/equipment parking. All buildings and structures have been removed (HLA, 1996).

The parcel associated with Site 25 that is included in the partial deletion is E2d.3.1.

Remedial Investigation and Feasibility Study

Site 25 was investigated (soil samples collected) as part of the Basewide Installation Restoration Program. Low levels of PCBs (less than one part per million) and pesticides and metals above background concentrations were detected in shallow soil. No volatile compounds, except for acetone, were detected. Low-level pesticide detections were consistent with levels observed in areas where routine application of pesticides has occurred for pest control. Human health and ecological risk assessments were performed to evaluate exposure of chemicals of

potential concern (COPCs) to human health under a residential reuse and construction worker scenario, and to plants and animals present at this site. The results of the risk assessments indicated there are no unacceptable risks to human health and the environment associated with the presence of chemicals at this site and NFA was recommended (Army, 2005).

Selected Remedy

The selected remedy for Site 25 based on the risk assessment is no action (Army, 1997). There are no RAOs for Site 25 because the risk assessment indicated there are no unacceptable risks to human health and the environment associated with the presence of chemicals at this site, and the risk evaluation for Site 25 indicated NFA is required for this site (Army, 2002).

Response Actions

The selected remedy was NFA and allows for unrestricted use (Army, 2002).

Cleanup Levels

No cleanup levels are necessary for the selected remedy.

Operations and Maintenance

There is no completed or ongoing O&M, or implementation of institutional controls associated with Site 25.

Determination that the Criteria for Deletion have been Met

The implemented remedy achieves the degree of cleanup or protection specified in the RI Sites ROD for the deletion parcel and no further Superfund response is needed to protect human health and the environment.

Document References

- Harding Lawson Associates (HLA), 1996. *Draft Final Risk Assessment, Site 25 – Former DRMO, Fort Ord, California*. October 14. AR# BW-0429
- U.S. Department of the Army (Army), 1997. *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California*. January 13. AR# RI-025
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August 23. AR# BW-2167G
- Army, 2005. *Finding of Suitability to Transfer (FOST), Track 0 and Track 0 Plug-in B Parcels, Former Fort Ord, California*. May 31. AR# OTH-222E

Site 31

Site Background

Site 31 is a former dump site in the southern part of the East Garrison and is located within and adjacent to a ravine approximately 0.2 mile southeast of the intersection of Watkins Gate Road and Barloy Canyon Road. This dump site was at the boundary of the Leadership Reaction Training Compound on the northern side of the ravine. The visible extent of disposal encompassed an approximately 500-foot-long section of the northern slope of the ravine. The dump site was reportedly used in the 1940s and 1950s. Reportedly during this time, refuse was wholly or partially incinerated in a 500-ton incinerator, which was adjacent to the ravine, and the incineration waste was dumped over the side of the north side of the ravine. Once the incinerator was dismantled, the Leadership Reaction Training structure was built at the site (Army, 2017).

The site is underlain by fine- to medium-grained sand to silty or clayey sand. Loose to slightly cemented sand outcrops are present in several areas within the ravine (Army, 2017).

Remediation at Site 31 for soil contamination has been completed, as documented in the *Remedial Action Confirmation Report, Site 31 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California* (IT/HLA, 1999). Site 31 is identified for partial deletion for soil. There is no groundwater component to this site. The parcel associated with Site 31 that is included in the partial deletion is L23.3.2.2.

Remedial Investigation and Feasibility Study

The Remedial Investigation (HLA, 1995) for Site 31 was conducted through extensive field sampling through soil gas probes, soil borings, subsurface soil samples, and surface debris mapping. The RI identified the main sources of contamination at Site 31 as surface and subsurface incinerated and unincinerated debris consists of glass, metal, coal, wood, concrete, asphalt, brick and clay tile, and ash. Chemicals detected in soil samples, which appear to be related to the debris, include TPH as diesel; PAHs; dibenzofurans; pesticides; dioxins; and some metals such as lead (IT/HLA, 1999). Although several potential migration pathways have been identified for chemicals found at Site 31, no significant migration pathways in air, surface water, or groundwater existed. An evaluation of the Site 31 soil analytical results indicated that chemicals have not significantly migrated through soil greater than a few feet and therefore should not pose a significant threat to groundwater in the future (HLA, 1995).

The FS (HLA, 1995) was conducted to evaluate human health risk at the site and evaluate the alternative remedies using the CERCLA evaluation criteria. Four alternatives were evaluated:

- Alternative 1: NFA
- Alternative 2: Excavation and Treatment of Soil and Disposal of Debris at OU2, and Deed Restriction
- Alternative 3: Excavation, Consolidation, and Onsite Disposal, and Deed Restriction
- Alternative 4: Excavation and Off-Site Disposal of Soil and Debris, and Deed Restriction

The FS recommended Alternative 2 as the preferred alternative based on the evaluation criteria.

Selected Remedy and Decision Documents

The RI Sites ROD (Army, 1997) identified RAOs for Site 31. At the date of the ROD, the exact future use of the land area was unknown, though the parcel that encompassed Site 31 was planned to become the Monterey Agriculture Center; however, because the slope of Site 31 is so great, it was most likely to be set aside as open space. The RAO was to remove lead-containing soil intermixed with debris above the health-based level of concern of 1,860 mg/kg lead. Based on the lead cleanup level, a single SRU was defined on the north slope of Site 31 with an initial estimated cleanup volume of 350 cy of soil. The remainder of the site was not shown to have a human health or environmental risk and the remaining debris was not proposed for remediation (Army, 1997).

Alternative 2 was the selected remedy. The remedy includes the following components:

- Excavation and segregation of approximately 350 cy of soil and debris containing lead above the ROD-specified cleanup level of 1,860 mg/kg;
- Placement of soil and debris at the OU2 Landfills as part of the foundation later;
- Deed restriction.

Response Actions

The Army completed remediation of Site 31 in June 1998 as detailed in the *Remedial Action Confirmation Report, Site 31 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California* (IT/HLA, 1999).

Remediation at the site included the following actions:

- Excavation of debris and lead-contaminated soil to a depth of 5 feet;
- Placement of the debris and lead-affected soil in the OU2 Landfills;
- Regrading the excavation to blend with surrounding topography;
- Installation of erosion control measures, including hydroseeding.

Approximately 1,500 cy of soil was excavated from the site and placed in the OU2 Landfills. Confirmation sampling was conducted to ensure the RAO was met.

A Post-Remediation Health Risk Assessment (PRHRA) and a Post-Remediation ERA were included as Appendix A to the confirmation report (IT/HLA, 1999). The PRHRA concluded that human health risks and hazards were unlikely to be associated with future site development, and the Post-Remediation ERA concluded that significant risks were not expected for ecological receptors that are exposed to chemicals remaining on site. The RAOs have been achieved and the Army received letters of No Further Action from the EPA on September 20, 1999 (EPA, 1999) and DTSC on June 1, 2006 (DTSC, 2006). DTSC concurred with NFA, provided that long-term management in the form of LUCs is still necessary.

Residential use restriction was placed on deed for Parcel L23.3.2.2.

Cleanup Levels

Confirmation sampling at Site 31 was conducted following excavation to ensure RAOs for the site had been met. All final confirmation samples at Site 31 contained lead concentrations less than the cleanup level of 1,860 mg/kg, demonstrating that the site RAOs was achieved. The maximum lead concentration detected in the confirmation samples was 140 mg/kg (IT/HLA, 1999).

In 2009, State of California published a revised set of soil screening levels based on the new Health Guidance Value, and in 2011 DTSC updated the LeadSpread model. In response, *Final 3rd Five-Year Review Report for Fort Ord Superfund Site* (Army, 2012) recommended an evaluation of the protectiveness of the human health-based cleanup levels for lead at this and other sites. The Army reevaluated protectiveness in the *Revised Final Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, Monterey County, California* (KEMRON, 2019), and found that the site remedy is still protective. Because deed restriction, which prohibits excavation, exposure of soil, or residential development of area, remain in place and exposure to lead in soil is restricted, it is not necessary for the site to meet the residential use screening level of 80 mg/kg lead in soil.

Operations and Maintenance

The land use restrictions have been incorporated into the deed to the underlying property, which was recorded with Monterey County. In addition, State CRUP was recorded with Monterey County.

There are no O&M requirements for Site 31.

Statement of Action Complete

All RAOs as defined in the Basewide RI Sites ROD for Site 31 have been met and all response actions have been completed for Site 31. There are no additional actions found to be necessary for the soil at Site 31.

Document References

- California Department of Toxic Substances Control (DTSC), 2006. *Conditional No Further Action, Draft Final Site 31 Remedial Action Confirmation Report, Basewide Remedial Sites, Former Fort Ord, California*. June 1. AR# BW-2035A.1
- Harding Lawson Associates (HLA), 1995. *Basewide Remedial Investigation/Feasibility Study, Former Fort Ord, California, Volume II & V – Remedial Investigation, Site 31*. October 18. AR# BW-1283A
- IT Corporation/Harding Lawson Associates (IT/HLA), 1999. *Remedial Action Confirmation Report, Site 31 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California*. April 29. AR# BW-2035
- KEMRON Environmental Services (KEMRON), 2019. *Revised Final Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, Monterey County, California*. January. AR# BW-2674C
- United States Department of the Army (Army), 1997. *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California*. January 13. AR# RI-025
- Army, 2017. *4th Five-Year Review Report for Fort Ord Superfund Site, Monterey County, California*. September 8. AR# BW-2834
- U.S. Environmental Protection Agency (EPA) 1999. *EPA Response Re: Draft Final Remedial Action Confirmation Report, Site 31 Remedial Action, Basewide Remediation Sites, Former Fort Ord, California*. September 20. AR# BW-2035B

Site 33

Site Background

Site 33 includes the golf course maintenance area, which consists of a pesticide mixing area, an unpaved surface drainage area, and a former pesticide storage area. The golf course was established in the early 1950s, and pesticides and herbicides have been used regularly since operations began. Pesticides, herbicides, and metals were detected in soil at concentrations below the PRGs set for reuse of this site (Army, 2002). The parcel associated with Site 33 that is included in the partial deletion is F2.7.2.

Remedial Investigation and Feasibility Study

The Remedial Investigation (HLA, 1995) at Site 33 consisted of soil sample borings analyzed for herbicides, pesticides, and metals. Pesticides, herbicides, and metals were detected. The maximum detected concentrations of pesticides and herbicides (up to 11 mg/kg) were in near-surface soil samples, which are below their respective alternate PRGs. Eight metals were detected in soil samples above background concentrations but below the alternate PRGs for the occupational scenario. Risks to human health were screened and evaluated on the basis of an occupational exposure scenario. This exposure scenario is based on the assumption that the site will remain a golf course (HLA, 1994). Results of SRE indicate that, if an occupational scenario is assumed, the risks to human health are acceptably low. The Basewide Ecological Risk Assessment also indicates that exposure by ecological receptors to chemicals at the site is expected to be below levels of concern (HLA, 1995).

No further action was recommended at Site 33 based on the collected data (HLA, 1995). The RI Sites ROD documented a change to the preferred alternative for Site 33 described in the Proposed Plan (no further action). This change included the institutional control of a deed restriction for other than residential type use of the property at the Site 33 Golf Course (Army, 1997).

Selected Remedy and Decision Documents

The RI Sites ROD (Army, 1997) identified RAO for Site 33 to be deed restrictions on the parcel for non-residential use.

Response Actions

There are no response actions at Site 33. Residential use restriction was placed on the parcel.

Cleanup Levels

There are no cleanup levels at Site 33.

Operations and Maintenance

The land use restrictions have been incorporated into the deed to the underlying property, which was recorded with Monterey County. In addition, State CRUP was recorded with Monterey County.

There are no O&M requirements for Site 33.

Statement of Action Complete

All RAOs defined in the ROD (Army, 1997) have been met for Site 33. There are no additional actions found to be necessary for the soil at Site 33.

Document References

- Harding Lawson Associates (HLA), 1994. *Draft Data Summary Report, Site 33 – Golf Course, Fort Ord, California*. March 29. AR# BW-0509
- HLA, 1995. *Basewide Remedial Investigation/Feasibility Study, Former Fort Ord, California, Volume I – Background and Executive Summary*. October 18. AR# BW-1283A
- U.S. Department of the Army (Army), 1997. *Record of Decision, Basewide Remedial Investigation Sites, Fort Ord, California*. January 13. AR# RI-025
- Army, 2002. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. August. AR# BW-2167G

Site 39 – Historical Areas 19D, 20D, 21D, 22D, 24D, 25D, 26D, 35, 35A, 43, 44D/H, 45D/H, 46D/H, 47, 48D, 50D, 59D, 61D, 62, 64D, 75, 76, 110, 111, 112, 113, 114, 115, 116, 117, 158, 160, 167, 173, 176, and 177

Site Background

Site 39 is located in the southwestern portion of the former Fort Ord and includes the approximately 8,000-acre Inland Ranges (the historical Impact Area). Ranges identified within Site 39 for soil remediation are also known as Historical Areas (HAs) and are given numerical designations. Some parcels that are parts of Site 39 were designated for development reuse

based on the *Fort Ord Base Reuse Plan* (FORA, 1997). Future land use information is also included in the HMP, and modifications to the HMP provided in *Assessment, East Garrison - Parker Flats Land Use Modifications, Fort Ord, California* (Zander, 2002) and *Memorandum of Understanding Concerning the Proposed East Garrison/Parker Flats Land-Use Modification* (Army, 2004). This partial deletion includes the development portions of Site 39 except for HA-18D and HA-23D. Munitions response is in progress in the habitat portion of Site 39 that has not been transferred. This partial deletion includes the portion of Site 39 that overlaps the ESCA Interim Action Ranges MRA, both development and habitat parcels, as the munitions response has been completed for the MRA. Within the development portions, additional soil remediation is only required in HA-18D and HA-23D due to lead concentrations above the new lead screening value. The table below shows the HAs with the corresponding Army parcel number.

Historical Areas	Army Parcel Number	Decision documents for associated munitions response sites (see Section 5)
HA-19D	E34	ESCA Group 1 ROD
HA-20D	E34	ESCA Group 1 ROD
HA-21D	E24	ESCA Group 1 ROD
HA-22D	E24	ESCA Group 1 ROD
HA-24D	E29a	Track 2 ROD Del Rey Oaks MRA
HA-25D	E29a	Track 2 ROD Del Rey Oaks MRA
HA-26D	E29a	Track 2 ROD Del Rey Oaks MRA
HA-35	F1.7.2	ESCA Group 3 ROD
HA-35A/HA-75	F1.7.2	ESCA Group 3 ROD
HA-43	E39	ESCA Interim Action Ranges MRA ROD
HA-44D	E40	ESCA Interim Action Ranges MRA ROD
HA-44H	E39, E42	ESCA Interim Action Ranges MRA ROD
HA-45D	E40	ESCA Interim Action Ranges MRA ROD
HA-45H	E39	ESCA Interim Action Ranges MRA ROD
HA-46D	E23.2	ESCA Group 1 ROD
HA-46H	E38, E39, E41	ESCA Interim Action Ranges MRA ROD
HA-47	E38, E39	ESCA Interim Action Ranges MRA ROD
HA-48D	E23.2	ESCA Group 1 ROD
HA-50D	E23.2	ESCA Group 1 ROD
HA-59D	E34	ESCA Group 1 ROD
HA-61D	E29a	Track 2 ROD Del Rey Oaks MRA
HA-62	E29a	Track 2 ROD Del Rey Oaks MRA
HA-64D	L3.2	Track 1 ROD and approval memoranda (NFA)
HA-76D and HA-76H	E21b.3, E40	ESCA Group 1 ROD ESCA Interim Action Ranges MRA ROD
HA-110	E29a, E29a.1, L20.13.3.1	Track 1 ROD and approval memoranda (NFA) Track 2 ROD Del Rey Oaks MRA ESCA Group 3 ROD
HA-111	E29b.1	Track 2 ROD Del Rey Oaks MRA

Historical Areas	Army Parcel Number	Decision documents for associated munitions response sites (see Section 5)
HA-112	E24	ESCA Group 1 ROD
HA-113	E34	ESCA Group 1 ROD
HA-114	E23.1	ESCA Group 1 ROD
HA-115	E23.2	ESCA Group 1 ROD
HA-116	E29b.2	Track 1 ROD and approval memoranda (NFA)
HA-117	E21b.3, E40, L20.18	ESCA Group 1 ROD
HA-158	F1.7.2	ESCA Group 3 ROD
HA-160	L20.3.1, L20.3.2, L20.5.2, L20.5.4	ESCA Group 3 ROD
HA-167	F1.12	Track 1 ROD and approval memoranda (NFA)
HA-173	E29.1, E29.2, E31a, E31b, E31c, E36, L20.13.3.1, L4.1, L4.2	Track 1 ROD and approval memoranda (NFA) Track 2 ROD Del Rey Oaks MRA ESCA Group 3 ROD
HA-176	L3.2	Track 1 ROD and approval memoranda (NFA)
HA-177	L20.3.1, L20.3.2	ESCA Group 3 ROD

The remedy for Site 39 was initially selected in the RI Sites ROD in 1997. Since then, the soil cleanup levels for development areas were adopted, and soil cleanup levels for habitat reserve areas were amended based on Site 39 ROD Amendment (described further in "Selected Remedy" section below). In addition, in 2001 the Army initiated a comprehensive evaluation of former ranges for their potential for soil contamination. The comprehensive Basewide Range Assessment (BRA) report was first developed in 2005 and updated in 2012 (Shaw, 2012). HAs that were found to have levels of soil contamination (e.g., lead) above the cleanup levels were subjected to soil remediation under the RI Sites ROD and the Site 39 ROD Amendment. The BRA reports incorporate updated information for HAs where additional site characterization and remediation are complete. HAs at which contaminant concentrations were below the cleanup levels are identified as requiring no further action.

To date, properties underlying the Site 39 development areas have been transferred, and munitions responses have been completed. Completed munitions responses (to address explosives safety risks) are described in Section 5. Decision documents for munitions response sites associated with the Site 39 development area HAs are identified in the table above.

[HA-19D \(Range 19, Record Firing Range, Development Portion\)](#)

Range 19 is located in the northwestern part of the Inland Ranges, south of Eucalyptus Road and east of General Jim Moore Boulevard. HA-19D includes 3.6 acres in the western corner of Range 19 (Shaw, 2005). Historical documentation indicates that Range 19 was used as a long-distance range without a berm. Range 19 is shown on maps dating back to 1956 and is labeled as Range 19 since 1961. The range fan has changed shape slightly in some years, but the range location has remained consistent. Use of the range is documented in standard operating procedures (SOPs) and on training maps as a Trainfire Record Fire Range from 1973 to base closure. Weapons authorized for use on Range 19 included M-16 and M-14 rifles. Review of

1960 and 1965 air photo mosaics shows a similar vegetation pattern. It appears that some type of training, possibly including the use of small arms, took place in the area of Range 19 in the 1940s and possibly early 1950s based on review of aerial photographs. The specific types of training activities performed in the area during the 1940s and 1950s are not known (Shaw, 2012).

[HA-20D \(Range 20, Development Portion\)](#)

HA-20D is located at the western end of Range 20. Historical documentation indicates the range may have been active during the late 1960s through the early 1970s. The range is shown on training maps from 1967, 1968, and 1972, but is not shown on training maps from 1964 or earlier, and is not evident on aerial photos from 1965 or 1966. Range SOPs from 1973 through 1992 do not list Range 20 as an active range and do not provide evidence that Range 20 was used for small arms or other training (Shaw, 2012).

[HA-21D \(Range 21, 10m Machine Gun/25m Rifle Range, Development Portion\)](#)

HA-21D is located at the western portion of firing Range 21. Range 21 was a small arms range with a berm or backstop. Range 21 is not present on maps or air photos dated before 1968. Evidence of previous ranges cannot be seen on the 1965 air photo mosaic. The 1973 Range SOP indicates that it was a 10-meter machine gun range, later a 25-meter Zero Range was added (1980 through 1993). Weapons authorized for use at Range 21 included the M-60 machine gun and the M-14 and M-16 rifles (Shaw, 2012).

[HA-22D \(Range 22, .50 Cal Machine Gun Range, Development Portion\)](#)

HA-22D is located at the western portion of Range 22. Historical documentation indicates that Range 22 was used as a long-distance range without a berm. Range 22 is not present on historical maps or aerial photos dated before 1984. Historical documents indicate the range was used for .50-caliber machine gun firing. Circa 1990 documents also indicate the range may have been used for 400-meter to 700-meter-range sniper qualification (Shaw, 2012).

[HA-24D \(Range 24, Sniper Range, Development Portion\)](#)

HA-24D is located at the western portion of Range 24. Range 24 was identified as a sniper range in the Basewide RI/FS (Shaw, 2012). The range was used for training activities that required soldiers to engage individual targets by rifle fire out to 1,000 meters. There is also evidence that 40mm practice grenades and sub-caliber light antitank weapons were also deployed on this range (IT, 2000).

[HA-25D \(Range 25, Offensive Overhead Firing Course, Development Portion\)](#)

HA-25D is located at the southern portion of Range 25. Range 25 was used as an Offensive Overhead Firing Range in the Basewide RI/FS (Shaw, 2012). Soldiers fired small arms into a berm (backstop) while soldiers passed through a trench behind the berm (IT, 2000).

[HA-26D \(Range 26, Machine Gun Transition, Development Portion\)](#)

HA-26D is located at the southwestern portion of Range 26. Range 26 was a machine gun transition course at the time of base closure. Past records indicate Range 26 may have also been used for training with 3.5-inch rockets, 37mm projectiles, and mortars (Shaw, 2012).

[HA-35](#)

HA-35 is also identified as the Mock Village Training Area on the 1945 training map and is also known as the Military Operations in Urban Terrain (MOUT) complex. It is also identified as a

Combat Pistol Range that was active beginning at least as early as 1975. Range 35 is listed in the 1973 SOP as a “Quick Kill” range. SOPs from 1980 through 1992 indicate that the range consisted of six firing lanes and was authorized for 38-caliber and 45-caliber pistol fire. The range was transferred for like-use (not residential or sensitive use) (Shaw, 2012).

The underlying property was transferred to FORA in 2009 as part of the ESCA. Under the 2009 deed, the allowable uses are activities associated with the investigation and remediation of MEC, a facility for law enforcement tactical training (MOUT training area), and installation of utilities and roadways until MEC remedial action was deemed complete. As described in Section 5, MEC remedial action was completed in 2018, and the deed will be modified to reflect the selected remedy. The long-term designated use for the property is non-residential development use (FORA, 1997) and as a training facility for tactical/law enforcement training and emergency service provider training by Monterey Peninsula College (Army, 2014). Based on the continued use of the site as a training facility, no further investigation for soil contamination is required. It was investigated as part of HA-158. See section HA-158 for further discussion.

HA-35A

HA-35A is located in the western portion of the MOUT (HA-158). This range is co-located with HA-75 and was used as a combat pistol range from at least 1975. Range SOP information from September 1980 through 1992 indicate that the range had 6 firing lanes and was authorized for 38 and 45 caliber pistol firing (Shaw, 2012). The range is part of the 2009 property transfer of the MOUT site to FORA (see discussion for HA-35).

HA-43 (Range 43, Platoon Size Live Fire Course, Mortar Course)

HA-43 is located in the Ranges 43-48 area in the Impact Area Munitions Response Area. HA-43 was used for training from at least the mid-1940s. This area was used as a mortar firing range through the 1980s and possibly as early as the 1950s. A platoon-sized live fire course was constructed in 1991 and was used until 1993. Review of range standard operating procedures from 1991 and 1992 indicate that small arms ammunition was used on this range in 1991 and 1992 (Gilbane, 2014).

HA-44D/H (Range 44, Antitank Weapons Range, Development and Habitat Portions)

HA-44D/H are located in the northern part of the historical Impact Area and was used as an Antitank Range from at least 1973 through 1993. HA-44 falls within the area defined as “Company Problems” on a 1945 training map. Based on the 1991 Range SOPs, weapons authorized for firing at this range were the recoilless rifle rocket launcher and the M47 Dragon missile rocket launcher. The types of ammunition used included 90mm for the recoilless rifle, M72 sub-caliber devices, 66mm HE, M202 Flash, AT4, and Dragon HE (Shaw, 2012).

HA-45D/H (Range 45, Grenade Launcher Range, Development and Habitat Portions)

HA-45D/H are located in the northern portion of the historical Impact Area and was used as a grenade launcher range from at least 1973 through 1993. Range 45 falls within an area identified as “Company Problems” on a 1945 training map. According to historical documentation, the weapons authorized for firing at this range was the M79/203 grenade launcher (Shaw, 2012).

HA-46D/H (Range 46, Pistol Range, Development and Habitat Portions)

HA-46D/H are located in the northern part of the Inland Ranges and was used as a pistol range, Military Police/Criminal Investigation Division (MP/CID) qualification course, night record fire, and 10-meter machine gun range from as early as the 1960s, and possibly as early as 1958.

Range control records from 1973 through 1993 indicate the range was used as a MP/CID qualification course through much of that period. This range contained a berm that was located just to the north of the habitat/development boundary within the habitat area (Shaw, 2012).

HA-47 (Range 47, M79 Grenade Launcher Range)

HA-79 is located southeast of the designated development portion of HA-46 with the downrange area of HA-47 overlapping the designated habitat portion of HA-46. HA-47 was used prior to 1970 for live fire of high-explosive 40mm; a component of these grenades included RDX. No information is available regarding the standard operating procedures for HA-47 range operations. Aerial photographs from the 1960s show the area cleared of vegetation. The range was abandoned in 1970 (Shaw, 2012).

HA-48D (Range 48, 14.5mm Artillery and Mortar Range, Subcaliber Range, Development Portion)

HA-48D is located at the northwestern portion of Range 48 in the northern part of the Inland Ranges and was used as a training range from at least the mid-1940s. The range is identified as a mortar range on a 1945 training map. Other documented uses also include a 14.5mm artillery and mortar sub-caliber range, a light anti-tank weapon (LAW) range, and a sniper training range. In 1982, the range was identified as a sniper training range. Ammunition authorized for use during that time included 5.56mm, 7.62mm, .50-caliber spotter, and .50-caliber machine gun small arms ammunition, and 106-recoilless rifle sub-caliber ammunition. Range 48 was later identified as an anti-armor sub-caliber range in the 1992 Range SOPs. Weapons authorized for use at this range were the M72 LAW, 90mm recoilless rifle, AT-4, M2-2 rocket launcher, and the M47 Dragon (Shaw, 2012).

HA-50D (Booby Traps, Development Portion)

HA-50D is located at the northwestern portion of Range 50, near the northwestern boundary of the Inland Range, between HA-18D and HA-48D. This range was identified as a Booby Traps area on a 1945 training facilities map. The range is not present on the circa 1954 map. Evidence of cleared areas in the site vicinity is visible on 1949 and 1951 aerial photographs (Shaw, 2012).

HA-59D (M-1 Table IX, Development Portion)

HA-59D is located at the western end of the range identified as M-1, Table IX on a 1956 Range Construction Priority Map. It is not known if this range was ever constructed and it is not shown on subsequent 1950s era maps. This range was located closer to General Jim Moore Boulevard than other ranges. Reconnaissance activities in 1999 completed as part of the Site 39 Additional Sampling Work plan development did not indicate the presence of a range in this area (Shaw, 2012).

HA-61D (A.R. Table VIII, Development Portion)

HA-61D, Automatic Rifle (A.R.) Table VIII, is located south of A.R. Table VII Range (HA-61) and is overlapped with HA-25D. This area has the "A.R." designation which indicates that the range was used for automatic rifle training. The footprint of this range was investigated through reconnaissance and limited mapping in March 1999 and July 1999 (Shaw, 2012). This historical area was sampled and evaluated as part of Range 25 sampling and remediation efforts (IT, 2000). Refer to HA-25D for more information.

HA-62 (Machine Gun Transition)

HA-62 was identified on the 1945 training map as a Machine Gun Transition area and it is west of Range 26. It is also present on a 1961 training map (Shaw, 2012).

HA-64D (Range 64, Rifle Night Firing, Development Portion)

HA-64D is located at the southern portion of Range 64, an area designated as a Night Firing Course on a 1956 range construction priority map. This range is not shown on 1958 and 1961 training maps and is not evident on 1965 aerial photographs (Shaw, 2012). Range 64 encompasses Range 27. Range 27 is located within the habitat portion of Site 39, and HA-64D (the development portion of Range 64) does not overlap Range 27.

HA-75 (Mock-Up Village, Combat Cities)

HA-75 was identified as Mock-Up Village in the 1940s. The Mock-Up Village is labeled in the 1947 7.5 min quadrangle map of Seaside. In the 1950s this area is labeled as Combat in Cities (Shaw, 2012). Refer to section HA-35A for additional documentation.

HA-76 (Company Problems)

HA-76 is located in the northern part of the Impact Area and was labeled as Company Problems on the 1945 training map. It is not known what type of training was conducted in the Company Problem area. HA-76 is within the Range 43-48 area (Shaw, 2012). Refer to HA-44D/H, 45D/H, 46D/H, and 48D for more information because HA-76 was evaluated as part of these HAs.

HA-110 (MRS-DRO.1, Del Ray Oaks)

HA-110 was included in the BRA Literature Review Report (IT, 2002), which recommended no further investigation. HA-110 also includes HA-24D, HA-25D, HA-26D, HA-61D, and HA-62, where small arms ammunition investigations were conducted (Shaw, 2012). Refer to sections HA-24D, HA-25D, HA-26D, HA-61D and HA-62 for activities relating to these sites.

HA-111 (MRS-DRO.2, Del Ray Oaks)

This site is located outside the central area of the former Impact Area that contained high densities of MEC. No small arms ranges were identified within HA-111 (Shaw, 2012).

HA-112 (MRS-SEA.1, Seaside 1)

HA-112 is located on the western edge of the former Impact Area adjacent to General Jim Moore Boulevard. HA-112 includes HA-21D, HA-22D, HA-23D, where site reconnaissance, soil sampling, and remediation were conducted (Shaw, 2012). Refer to sections HA-21D and HA-22D for activities relating to these sites. HA-23D remains on the NPL since elevated lead concentrations remain and remediation will be required.

HA-113 (MRS-SEA.2, Seaside 2)

HA-113 is located just north of HA-112 on the western edge of the former Impact Area adjacent to General Jim Moore Boulevard (Shaw, 2012). The development portions of Range 19 and Range 20 are within the HA-113 boundaries. Refer to sections HA-19D and HA-20D for activities relating to these sites.

HA-114 (MRS-SEA.3, Seaside 3)

HA-114 is located on the edge of the former Impact Area adjacent to Eucalyptus Road. The far western part of HA-18D is within the HA-114 boundaries (Shaw, 2012). HA-18D remains on the NPL since elevated lead concentrations remain and remediation will be required.

HA-115 (MRS-SEA.4, Seaside 4)

HA-115 is located on the northern edge of the Impact Area adjacent to Eucalyptus Road. The eastern portion of HA-18D, HA-46D, and HA-48D are within the HA-115 boundaries (Shaw, 2012). Refer to sections HA-46D and HA-48 for activities relating to these HAs. HA-18D remains on the NPL since elevated lead concentrations remain and remediation will be required.

HA-116 (MRS-MOCO.1, Monterey County 1)

HA-116 (MOCO.1) is located in the southwestern portion of the former Impact Area. No historical ranges have been identified within the HA-116 boundaries (Shaw, 2012).

HA-117 (MRS-MOCO.2, Monterey County 2)

HA-117 is located east of HA-115 along the northern boundary of the former Impact Area (Shaw, 2012). HA-44D, HA-45D, and HA-76D are within the boundaries of HA-117, refer to sections HA-44D, HA-45D, HA-76D for activities relating to these sites.

HA-158 (MRS-28, MOUT Site)

HA-158 includes Impossible City, which was a facility used for military munitions operations in urbanized terrain (MOUT) training. Several buildings within the city were live-fire small arms sites. Also, a tire house with sand-filled tires was constructed. Live small arms fire and use of high explosive were authorized (Shaw, 2012). This site includes HA-35, HA-35A and HA-75. The underlying property was transferred to FORA in 2009 as part of the ESCA. Under the 2009 deed, the allowable uses are activities associated with the investigation and remediation of MEC, a facility for law enforcement tactical training (MOUT training area), and installation of utilities and roadways until MEC remedial action was deemed complete. As described in Section 5, MEC remedial action was completed in 2018, and the deed will be modified to reflect the selected remedy. The long-term designated use for the property is non-residential development use (FORA, 1997) and as a training facility for tactical/law enforcement training and emergency service provider training by Monterey Peninsula College (Army, 2014). Based on the continued use of the site as a training facility, no further investigation for soil contamination is required.

HA-160 (MRS-30, Laguna Seca Turn 11)

HA-160 was part of the Impact Area since at least 1945. The December 1956 Training Areas map shows the area as a training site (Shaw, 2012).

HA-167 (MRS-35, Former Range Control)

HA-167 was formerly used as Camp Huffman from at least the late 1930s through the 1950s and was designated as Range Control in the 1960s through base closure. The property was transferred to BLM in 1996 and is currently used as BLM Work Center (Army, 2011).

HA-173 (MRS-43, South Boundary Area)

HA-173 was reportedly active in the 1940s. According to the former Fire Chief, a portion of the ridge at this site was used as a backstop for rifle grenades and shoulder-launched projectiles

from 1942-1944. Firing positions (trenches) were excavated along South Boundary Road, and firing was from the southeast to the northwest at a diagonal to the hill (Shaw, 2012).

HA-176 (MRS-46, York School)

HA-176 consists of 67 acres along the southern boundary of the former Impact Area. HA-176 is located behind ranges 27 and 27A, which had been used as close-combat and machine gun rifle ranges, respectively (Shaw, 2012).

HA-177 (MRS-47, Wolf Hill)

HA-177, Wolf-Hill, is located on the southern boundary of the former Fort Ord, just north of the Laguna Seca Race Track. It lies within the former Impact Area and within the Wolf Hill Training Area, according to a 1957 training map. MEC removal action was conducted in 1997. Reconnaissance for evidence of small arms use and ranges was conducted in July 1999 which resulted in the discovery of several small arms (ball round) casings and blank small arms casings, but no evidence of a range (Shaw, 2012).

Remedial Investigation and Feasibility Study

The objectives of the RI at Site 39 (HLA, 1995) were to collect sufficient data to assess: (1) the lateral and vertical extent of potential contamination at selected ranges within the Inland Ranges, (2) the potential presence of munitions-related chemical residues and metals at range target areas and in groundwater beneath Site 39, (3) the potential for metals contamination in soil from spent ammunition in the small arms ranges, (4) the approximate distribution of munitions and explosives of concern, (5) the potential threat to human health and the environment from SRCs, and (6) potential remedial measures, if needed.

The investigations at the small arms ranges were based on the approach used at Site 3, the Beach Trainfire Ranges:

- Identifying the types of spent ammunition present in the small arms ranges.
- Conducting a visual survey of the distribution of spent ammunition along the lines of fire, at targets, and at backstops or open areas behind the targets.
- Taking measurements to confirm range boundaries and target locations.

The methodology and results of the Site 3 investigation were used to draw general conclusions about the distribution and potential impacts resulting from spent ammunition at the Site 39 small arms ranges. Because the results of the Site 3 RI indicated visual mapping was an effective way to evaluate the distribution of spent ammunition, a visual survey was conducted at Site 39 between May 16 and 20, 1994. The survey consisted of traversing ranges along lines of fire and near targets and estimating the occurrence and percentage of surface area covered by spent ammunition. The investigation results indicated:

- Spent ammunition consists primarily of various caliber bullets and lesser amounts of black powder rifle balls and lead shot.
- Because the spent ammunition is similar to that at Site 3, the main potential contaminant, as at Site 3, is expected to be lead.
- In general, most of the areas within the small arms ranges contain less than 1 percent surface coverage of spent ammunition.
- A few localized areas have a bullet surface coverage of 1 to 10 percent or greater than 10 percent.
- Based on the soil and groundwater analyses and evaluation of fate and transport properties of site contaminants performed for the Site 3 investigation, there is little

potential for migration of contamination to deep soil or groundwater in the small arms ranges.

Potential for explosives safety risk associated with MEC was subsequently addressed under the MMRP.

Selected Remedy and Decision Documents

The selected remedies for the RI sites, including Site 39, are described in the RI Sites ROD (Army, 1997). The selected remedy addresses risks to human health from lead contamination in soils co-located with bullets and constituents of explosives in soils from munitions usage at the Site 39 Inland Ranges. The selected remedy for the Site 39 Inland Ranges is “Excavation and Onsite Placement at the Operable Unit 2 Landfill Beneath a Cap” at the former Fort Ord based on the protection of human health for reuse of the site as development and habitat reserve (Army, 1997).

In 1997, the designated reuse for portions of Site 39 changed from habitat reserve to development uses, including residential in some areas (FORA, 1997). For Site 39 development areas that could include residential use, EPA residential PRGs apply. Most of the HAs in this summary report were identified for development (KEMRON, 2019). Four parcels (Parcels E38, E39, E41 and E42) are designated as habitat reserve.

Explanation of Significant Differences, Excavation and Segregation of Spent Ammunition from Soil, Site 39, Former Fort Ord, California issued in December 2003 describes a change in the remedy selected for lead-contaminated soil at the small arms ranges at Site 39. The portion of the remedy for Site 39 that addressed the small arms ranges included segregation and recycling of spent ammunition from soil containing lead prior to placement of the soil at the OU2 Landfills. Segregation and recycling of spent ammunition prior to placement at the OU2 Landfills was found to be of significant public concern, and technically and economically impractical. Therefore, the Army eliminated these procedures from the remedy for the small arms ranges at Site 39 (Army, 2003).

In 2008, a PRHRA was conducted for soil contamination at Seaside transfer Parcels 1 through 4 (Shaw/MACTEC, 2008). The PRHRA was conducted to evaluate the potential human health risks and hazards associated with exposure to residual contaminants remaining in soil and evaluate the need for restricting residential land usage based on predicted risks to hypothetical residents. The report concluded that, based upon the conservative evaluation of potential risks and hazards under post-remediation conditions, adverse non-cancer health effects and cancer risks are considered unlikely to be associated with future commercial or residential development at the Seaside parcels under the exposure conditions evaluated. In addition, due to the reduction in human health risks following the remediation of Ranges 18, 19, 21, and 46, a restriction on residential development was not recommended.

Based on the remedial actions that had been implemented and additional studies, a re-evaluation of the selected remedy for Site 39 was developed and presented in *Final Feasibility Study Addendum, Site 39 Inland Ranges, Former Fort Ord, California* (MACTEC, 2008). Based on the FS Addendum, *Final Record of Decision Amendment Site 39, Former Fort Ord, California* (Site 39 ROD Amendment; Army, 2009) established revised cleanup levels, identified a larger volume of soil for remediation, confirmed the OU2 Landfills as the destination for the contaminated soil, eliminated the need to conduct a post-remediation risk assessment, and eliminated the need for institutional controls related to the soil contamination (Army, 2009).

In September 2009, OEHHA published a revised set of soil screening levels based on the new health guidance values. This new health guidance value establishes a benchmark of 1 µg/dL

increase in lead content of blood, which is significantly lower than the previous blood-lead level of 10 µg/dL used in the development of cleanup levels (Army, 2012). In 2011, DTSC updated the LeadSpread model (LeadSpread 8) that had been used in the Human Health Risk Assessment (HHRA) contained in Volume III of the Basewide RI/FS (HLA, 1995). The updated version incorporates the new health guidance value, and is designed to assess residential land use scenarios, but considers only lead in soil and dust. Since the revised OEHHA health guidance value for lead in blood and the methodology used to calculate the human health-based cleanup levels for Site 39 may affect protectiveness of human health, development portions of Site 39 was evaluated using 80 mg/kg as a residential screening level for lead (KEMRON, 2019). In September 2018, the toxicity criteria for lead that limits the increase in blood lead levels to 1 µg/dL was promulgated. Both the *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, Monterey County, California* stated that all development portion of Site 39 are protective of future site users except for HA-18D and HA-23D (Army, 2017 and KEMRON, 2019). Part of Parcels E23.1, E23.2, and E24, where HA-18D and HA-23D are located, will be excluded from this deletion process.

Response Actions

Following the RI Sites ROD, additional reconnaissance and characterization activities were conducted for some of the Site 39 HAs prior to remediation. Some HAs were found to not require remediation. The additional reconnaissance and characterization and follow on remediation are described for each HA below.

HA-19D (Range 19, Record Firing Range, Development Portion)

Initial site characterization was conducted from November 1998 through February 1999. Site characterization included preliminary visual reconnaissance and mapping of the surface distribution of spent ammunition and the collection of soil samples to evaluate existing concentrations of metals. Results showed that spent ammunition was concentrated along target lines and along firing lines, especially near the target boxes. Results of the sampling indicated lead concentrations in soil exceeded the EPA Region IX residential PRG of 400 mg/kg, primarily adjacent to the target lines. Based on this information, additional sampling was conducted in 2002 to further characterize the site for remediation. The remediation boundaries and depths of excavation were established based on a review of site characterization results (Shaw 2012).

The remedial action at HA-19D was conducted from September to October 2002, including the following activities (Shaw, 2005 and 2012):

- Excavating approximately 1,400 cy of soil containing accumulated spent ammunition and residual lead in areas where lead concentrations in soil were greater than 400 mg/kg.
- Removal of targets and target lines.
- Over-excavation of 15 cy following confirmation sampling conducted during remediation.
- Confirmation samples represent the soil remaining in place.
- Disposing of the excavated soil in the OU2 Landfills.

Confirmation sampling following completion of remedial action resulted in left-in-place lead concentrations with a maximum of 240 mg/kg and a range average of 41 mg/kg (Shaw, 2005). No further action is required at HA-19D. The protectiveness of the remedy implemented at HA-19D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-20D (Range 20, Development Portion)

Reconnaissance and mapping were performed at Range 20 in June 1999 and May 2001 because the range appears on historical usage maps. Although no significant evidence of historical range use was observed during reconnaissance and mapping, a random sampling program was implemented to verify that no significant chemical problems were present (Shaw, 2012).

Soil samples were collected at the site in July 2001. Samples were analyzed for antimony, copper, and lead because the site was identified as a small arms range. Metals concentrations ranged from 1.5 mg/kg to 15.6 mg/kg for lead, and 0.98 mg/kg to 6.2 mg/kg for copper. Antimony was qualified as non-detect in all samples. Samples collected from below the ground surface were not analyzed because the detected metals concentrations from surface samples were below the Fort Ord maximum background concentrations, which is 50 mg/kg for lead (Shaw, 2012).

No further action is required at HA-20D. The protectiveness of the remedy implemented at HA-20D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-21D (Range 21, 10m Machine Gun/25m Rifle Range, Development Portion)

HA-21D includes the western portion of Range 21. Site reconnaissance was conducted at this range in November 1998. A firing line, firing points, a berm and spent small arms ammunition areas of less than 1 percent, 1 to 10 percent, and greater than 10 percent were mapped during reconnaissance. In the vicinity of the firing points the spent small arms ammunition concentrations were 1 to 10 percent. The berm, which was located to the east of the firing line, was 15 to 20 feet tall. The berm and the adjacent area behind it include an area with greater than 10 percent lead concentrations on the ground surface (Shaw, 2012).

Results of sampling indicated lead concentrations in soil exceeded the EPA residential PRG of 400 mg/kg, primarily on the berm that served as a backstop for the range and within a relatively small area behind the berm. As part of the remediation activities, the berm and soil containing concentrations of lead in excess of 400 mg/kg were removed (Shaw, 2012).

The remedial action at HA-21D was conducted from September 1999 through November 2000, including the following activities (Shaw, 2003 and 2012):

- Excavating approximately 9,600 cy of soil containing accumulated spent ammunition and residual lead.
- Collection of confirmation samples during remediation and analyzing for lead, antimony, and copper.
- Over-excavation of hot spots.
- Collection of final confirmation samples that represent soil left in place.
- Disposing of the excavated soil in the OU2 Landfills.

Confirmation sampling following completion of remedial action resulted in left-in-place lead concentrations with a maximum of 570 mg/kg and a range average of 35 mg/kg (Shaw, 2003).

No further action is required at HA-21D. The protectiveness of the remedy implemented at HA-21D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-22D (Range 22, .50 Cal Machine Gun Range, Development Portion)

Site reconnaissance and sampling was conducted in 1999. Targets and areas of greater than 10 percent bullet density were observed. Range-related debris was identified in various locations, some of which included empty ammunition boxes and other miscellaneous scrap. The highest lead concentration from 24 samples collected at HA-22D was 26.2 mg/kg (Shaw, 2012).

No further action is required at HA-22D. The protectiveness of the remedy implemented at HA-22D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-24D (Range 24, Sniper Range, Development Portion)

Mapping of HA-24D in 1994 indicated several target areas where spent ammunition covered 1 to 10 percent of the ground surface. Mapping and sampling conducted in 1999 indicated maximum lead concentrations of 13,700 mg/kg. Remedial action occurred from July to August 1999, and targets and soil with lead concentrations in excess of 400 mg/kg were removed (Shaw, 2012). Approximately 16,100 cy of soil were removed from Range 24 from an approximate area of 7.6 acres with an average excavation depth of 1.3 feet (IT, 2000).

Confirmation sampling following remedial action resulted in lead concentrations with a maximum of 320 mg/kg and a range average of 35 mg/kg (IT, 2000).

No further action is required at HA-24D. The protectiveness of the remedy implemented at HA-24D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-25D (Range 25, Offensive Overhead Firing Course, Development Portion)

Mapping of HA-25D indicated greater than 10 percent spent ammunition in a berm at the range. Soil sampling results indicated a maximum lead concentration of 25,500 mg/kg at the site, greater than the EPA residential PRG of 400 mg/kg. As a part of remediation activities from June to September 1999, the target berm was excavated to a depth of 10-feet below the bottom of the original ground surface to remove all spent ammunition and soil with lead concentrations in excess of 400 mg/kg (Shaw, 2012). Approximately 9,600 cy of soil were removed from two excavation areas at Range 25 (which also includes HA-61D), representing a total area of 2.3 acres to an average excavation depth of 2.1 feet.

Confirmation sampling following remedial action results indicated a maximum lead concentration of 250 mg/kg and range average of 33 mg/kg (IT, 2000).

No further action is required at HA-25D. The protectiveness of the remedy implemented at HA-25D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-26D (Range 26, Machine Gun Transition, Development Portion)

Site characterization sampling was conducted in 2001 and 2002 at HA-26. The highest lead concentration collected at HA-26D was 17.8 mg/kg (Shaw, 2012).

No further action is required at HA-26D. The protectiveness of the remedy implemented at HA-26D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-35

HA-35 was investigated as part of HA-158 reconnaissance (Shaw, 2012). See section HA-158.

HA-35A

The property has been transferred for long-term designated use as a training facility for tactical/law enforcement training and emergency service provide training by Monterey Peninsula College (Army, 2014). Based on the continued use of the site as a training facility, no further investigation for soil contamination is required (Army, 2007a).

HA-43 (Range 43, Platoon Size Live Fire Course, Mortar Course)

Site characterization identified a 0.1 acre of soil requiring remediation for lead. Approximately 150 cy of soil was excavated from HA-44 in the identified area of 0.1 acre to a depth of 1 foot in February 2010. Confirmation sampling indicated a range wide weighted average of 152 mg/kg for lead, less than the cleanup level of 225 mg/kg.

The *Final Remedial Action Completion Report Site 39 Inland Ranges Habitat Reserve* indicates the remedial action objectives at the range have been achieved and no additional excavation is required (Gilbane, 2014).

HA-44D/H (Range 44, Antitank Weapons Range, Development and Habitat Portions)

Soil samples were collected in 1994 during the Basewide RI/FS. Both explosives and metals were detected above the established screening levels. Range 44 was included within the Ranges 43-48 where interim remedial action for MEC was conducted from 2003 to 2005. Additional soil sampling following MEC removal resulted in explosive and lead concentrations above screening levels (Shaw, 2012).

Soil remedial action at Range 44, including both development and habitat areas, was conducted in August through September 2010 with the majority of the remediation activity taking place within the habitat portion of Range 44. Approximately 4,070 cy of soil were excavated and transported for disposal at the OU2 Landfills. Confirmation sampling indicated that range-wide weighted average concentrations for explosives (0.11 mg/kg for RDX; 0.40 mg/kg for HMX; and 0,08 mg/kg for TNT) and lead (28.7 mg/kg) were less than the remedial action objectives (Shaw, 2011).

No further action is required at HA-44D or HA-44H. The *Final Remedial Action Completion Report, Site 39 Inland Ranges Habitat Reserve* indicates the remedial action objectives at the range have been achieved and no additional excavation is required (Gilbane, 2014). The protectiveness of the remedy implemented at HA-44D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-45D/H (Range 45, Grenade Launcher Range, Development and Habitat Portions)

Ten soil boring were assessed for metals and explosives in 1994 as part of the Basewide RI/FS. Based on the analytical results, no further action was initially recommended for this range. HA-45 was included within Ranges 43-48 where interim remedial action for MEC was conducted from 2003 to 2005. As part of the MEC remedial action conducted at Range 45, the top 2 feet of soil was scraped and sifted for MEC in 2005 (within the development parcel). Sifted soil was returned to the scraped area after MEC removal action was completed (Parsons, 2007).

Reconnaissance of HA-45 was recommended to identify any targets or accumulations of spent small arms ammunition from use as a Company Problems training area. Reconnaissance activities were completed in fall 2004 and followed by soil sampling from six locations within the Range to analyze for explosives and metals. Sample results indicated that all explosive compounds were below laboratory reporting limits for collected surface samples. All surface lead concentrations were below the characterization goal of 225 mg/kg. Antimony results ranged from non-detect to 1.04 mg/kg, cadmium results ranged from non-detect to 0.41 mg/kg, and copper results ranged from 4.35 to 10.4 mg/kg (Shaw, 2012).

No further action is required at HA-45D or HA-45H. The protectiveness of the remedy implemented at HA-45D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-46D (Range 46, Pistol Range, Development Portion)

Initial site characterization was conducted from November 1998 through February 1999 (HLA, 1999). Site characterization included preliminary visual reconnaissance and mapping of the surface distribution of spent ammunition and the collection of soil samples to evaluate existing concentrations of metals. Results showed that spent ammunition was concentrated on the berm that served as a backstop for the range and within a relatively small area behind the berm. Results of the sampling indicated lead concentrations in soil exceeded the EPA Region IX residential PRG of 400 mg/kg, primarily at the berm. Site characterization was completed up to the berm (Shaw, 2012).

The remedial action at HA-46D was conducted from September 1999 through October 1999, including the following activities (Shaw, 2003 and 2012):

- Excavating approximately 3,900 cy of soil containing accumulated spent ammunition and residual lead.
- Collection of confirmation samples during remediation and analyzing for lead, antimony, and copper.
- Over-excavation of hot spots.
- Collection of final confirmation samples that represent soil left in place.
- Disposing of the excavated soil in the OU2 Landfills.

Confirmation sampling following completion of remedial action resulted in left-in place lead concentrations with a maximum of 215 mg/kg and a range average of 26 mg/kg (Shaw, 2003).

Note that remedial action at HA-46D overlapped with portions of HA-46H, although cleanup levels for development parcels were followed for entire excavated area.

No further action is required at HA-46D. The protectiveness of the remedy implemented at HA-46D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-46H (Range 46, Pistol Range, Habitat Portion)

As HA-46H and HA-47 overlap reconnaissance and site characterization for these two sites were completed together. Reconnaissance conducted within HA-46H and HA-47 in 2004 indicated the possibility of metals contamination related to small arms use. Samples were collected and analyzed for antimony, copper, lead, and explosives in the portion that overlapped with HA-47. One sample detected a lead concentration of 302 mg/kg, higher than range-wide average was less than 225 mg/kg. Additional soil sampling was conducted in 2011 at the

overlap of HA-46H and HA-47. Samples were again analyzed for lead and explosives. All results were below the respective screening levels. Based on the sampling results, no further action was recommended for HA-46H (Shaw, 2012).

HA-47 (Range 47, M79 Grenade Launcher Range)

HA-47 overlaps with HA-46H. Reconnaissance and site characterization for these two sites were completed together. See HA-46H for further description. No further investigation was recommended for HA-47 (Shaw, 2012).

HA-48D (Range 48, 14.5mm Artillery and Mortar Range, Subcaliber Range, Development Portion)

Reconnaissance was performed at HA-48D in June 1999, which indicated a firing line and two rows of targets were present within HA-48D. Empty casings, links, two observation towers, a weapons cleaning area, and a mess area were also identified (Shaw, 2012).

Soil samples were collected in July 2001 and analyzed for antimony, copper, and lead. The highest lead concentration from 22 samples collected at HA-48D was 167 mg/kg (Shaw, 2012). All lead analytical results were below the EPA PRG of 400 mg/kg.

No further action is required at HA-48D. The protectiveness of the remedy implemented at HA-48D was confirmed in *4th Five Year Review* and the *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-50D (Booby Traps, Development Portion)

This area was mapped during site reconnaissance conducted in October 2001. Expended blank casings, .50-caliber links, and concrete debris were found in the site vicinity during reconnaissance. No evidence of a range, including targets, firing lanes, or fighting positions, was encountered. Because no evidence was identified that this area was used as a range, no further action was recommended (Shaw, 2012).

HA-59D (M-1 Table IX, Development Portion)

Reconnaissance activities completed did not indicate the presence of a range in this area. Based on the results of the reconnaissance, no further action was recommended (Shaw, 2012).

HA-61D (Range 61, A.R. Table VIII, Development Portion)

Reconnaissance, soil sampling, and remediation at HA-61D (A.R. Table VIII) were conducted along with HA-25D activities. Refer to HA-25D for more information.

No further action is required at HA-61D. The protectiveness of the remedy implemented at HA-61D was confirmed in *4th Five Year Review* and the *Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites* (Army, 2017 and KEMRON, 2019).

HA-62 (Machine Gun Transition)

Reconnaissance of HA-62 was completed in May 2001. Small quantities of machine-gun links and soil pits were mapped in the area. The soil pits are believed to be holes that were dug during MEC removal operations. A large disturbed area was mapped in the vicinity where the links were identified. Two target boards were also mapped. Because no evidence of range-specific activities was identified at HA-62, no further action was recommended (Shaw, 2012).

HA-64D (Rifle Night Firing, Development Portion)

Reconnaissance of HA-64 in areas other than the overlapping area with HA-27 mapped shell casings and areas of less-than-1-percent spent small arms ammunition in May 2001. Most were in areas that were eroded, or in areas where small arms ammunition overshot from HA-27. A possible spotting station and firing point were also mapped. There was no evidence of ranges other than HA-27. No further action was recommended for HA-64D (Shaw, 2012).

HA-75 (Mock-Up Village, Combat in Cities)

Reconnaissance of HA-75 was completed in 1991, see HA-35A for further documentation.

HA-76 (Company Problems)

Reconnaissance activities were performed in fall 2004 at portions of the site not already overlapping with Ranges 43 through 46. No accumulations of spent small arms ammunitions or evidence of MEC were identified outside of HA-43 through HA-46 during the reconnaissance. As a result, no soil sampling was proposed. Based on the site reconnaissance, no further action was recommended for activities relating to HA-76 (Shaw, 2012).

HA-110 (MRS-DRO.1, Del Ray Oaks)

Based on literature review, no soil contamination is suspected for activities relating to HA-110 outside of Ranges 24, 25, and 26. Refer to HAs 24D, 25D, and 26D for more information. No further action was recommended for HA-110 (Shaw, 2012).

HA-111 (MRS-DRO.2, Del Ray Oaks)

Based on literature review and because no small arms ranges were identified within HA-111, no soil contamination is suspected. As such, no further action was recommended for HA-111 (Shaw, 2012).

HA-112 (MRS-SEA.1, Seaside 1)

Reconnaissance was proposed in areas of HA-112 with the highest concentration of munitions found during previous munitions response actions. Reconnaissance was conducted in 2004 in an attempt to identify areas of stressed vegetation or evidence of impacts to soil due to explosive compounds or metals. No further action was recommended for HA-112 based on the results of the reconnaissance (Shaw, 2012). HAs 21D and 22D are also located within this range. Refer to HAs 21D and 22D for more information.

HA-113 (MRS-SEA.2, Seaside 2)

Reconnaissance was proposed in the southern portion of HA-113 areas where 40mm practice munitions were found during previous munitions response actions. Reconnaissance was conducted in 2004 in an attempt to identify areas of stressed vegetation or evidence of impacts to soil due to explosive compounds or metals. No further action was recommended for HA-114 related activities based on the results of the reconnaissance (Shaw, 2012). HAs 19D and 20D are also located within this range. Refer to HAs 19D and 20D for more information.

HA-114 (MRS-SEA.3, Seaside 3)

No soil contamination was suspected based on literature review of previous munitions response actions. No further action was recommended for this site (Shaw, 2012). HA-18D is located within this range, but it is not part of the deletion process since remediation is recommended.

HA-115 (MRS-SEA.4, Seaside 4)

Reconnaissance was proposed in the western portion of HA-115 where a cluster of practice hand grenades and high explosive munitions were found during previous munitions response actions. Reconnaissance was conducted in 2004 in an attempt to identify areas of stressed vegetation or evidence of impacts to soil due to explosive compounds or metals. No further action was recommended for HA-115 based on the results of the reconnaissance (Shaw, 2012). HA-46D and HA-48D are located within HA-115 boundaries. Refer to these two ranges for more information. HA-18D is not part of the deletion process.

HA-116 (MRS-MOCO.1, Monterey County 1)

A literature review was conducted for HA-116 and no ranges were identified within this HA. In addition, no MEC was identified during MEC sampling in 1999. Therefore, no further action is recommended for the site following this review (Shaw, 2012).

HA-117 (MRS-MOCO.2, Monterey County 2)

Reconnaissance activities were performed at HA-117 in fall 2004. Additional reconnaissance activities were completed for HA-44D and HA-45D. At HA-117, one target backstop area was identified with small arms ammunition at concentrations of 1 to 10 percent. Based on the presence of small arms backstops and accumulations of spent small arms ammunition, five soil sample locations were identified and samples were collected at the surface, 1-foot, and 2-foot bgs in October 2006. All samples were analyzed for antimony, copper, and lead. Antimony and lead were not detected above the laboratory reporting limits and copper results ranged from 2.2 to 18.6 mg/kg, which are below the Fort Ord specific PRG of 2,500 mg/kg. Based on the soil sample results, no further action is recommended for the site (Shaw, 2012).

HA-158 (MRS-28, MOUT Site)

Reconnaissance was completed in October 2001. Small arms ammunition including blank casing and live blanks were found at the site. Some of the military munitions items encountered included expended signal flares, smoke grenades, mortars, three 3.5-inch rockets, three 40mm practice grenades, one live projectile simulator and additional munitions related debris. During the site visit, one fighting position and six target boards were mapped. In addition, abundant spent ammunition was exposed on the ground surface, but was not mapped (Shaw, 2012). As the site remained an active training area, no further action was recommended at the time of the BRA reconnaissance. Surface removal of MEC was conducted in 2003. The property was subsequently transferred for long-term designated use as a training facility for tactical/law enforcement training and emergency service provider training by Monterey Peninsula College (Army, 2014). Based on the continued use of the site as a training facility, no further investigation for soil contamination is required (Army, 2007a).

HA-160 (MRS-30, Laguna Seca Turn 11)

MEC removal action to 4-ft depth was conducted in 1995, and 30 to 40 feet of fill material was placed over most of MRS-30 in support of construction activities associated with the expansion of Laguna Seca Raceway Turn 11 (Army, 2007a). Because 30 feet of fill was placed over the site, no further action was recommended (Shaw, 2012).

HA-167 (MRS-35, Former Range Control)

A reconnaissance of the area where MEC was encountered during surface removal was conducted in 1999. No evidence of a range was identified. No further action was recommended for the HA due to the low number of military munitions found at the site (Shaw, 2012).

HA-173 (MRS-43, South Boundary Area)

Sampling was recommended to evaluate whether explosive residue was present in the area where 37mm projectiles were recovered after military munition sampling and removal operations were completed in the northern portion of the site. Soil samples were collected in July 2002. Perchlorate and explosives were included in the sample analyses, but were not detected in any of the surface soil samples. Based on the analytical results that indicate no residue of explosive compounds in soil, no further action was recommended for the site (Shaw, 2012).

HA-176 (MRS-46, York School)

The BRA Literature Review Report recommended further data review after additional OE investigation (IT, 2002). MRS-46 was investigated for MEC, including sampling, a digital geophysical survey in a 31-acre lease area, and visual reconnaissance. No MEC or munitions debris was found during the digital survey. No further action regarding munitions response was required for MRS-46 (Army, 2006). On the basis of the completed MEC investigation, no further BRA evaluation was identified for HA-176 (Army, 2007b). The property was subsequently transferred to York School in 2011.

HA-177 (MRS-47, Wolf Hill)

Site reconnaissance for evidence of small arms use and ranges was conducted in July 1999, resulting in the discovery of several small arms (ball round casings and blank small arms casings), but no evidence of a range. Site inspection and soil samples were collected in July 2002. The explosive compounds 2,4-dinitrotoluene and p-nitrotoluene were detected in two samples. Site characterization samples were collected in 2004 based on the results of site inspection sampling. Step-out soil sampling at the two locations where explosive compounds were detected was conducted and two biased samples at the low point of a drainage were also collected. Additional soil samples were also collected in 2007 to fill in the data gaps associated with two sample locations.

Samples collected in 2004 and in 2007 were all below the method detection limits for explosives. The detections of 2,4-dinitrotoluene and p-nitrotoluene in the site inspection samples (original samples) were below the EPA regional screening levels for residential use. Based on the results, no further action was recommended for the site (Shaw, 2012).

Cleanup Levels

The HAs in the development portions of Site 39 were cleaned up to meet the EPA Region IX residential PRGs. These values are 400 mg/kg for lead, 2,905 mg/kg for copper and 31.3 mg/kg for antimony (Shaw, 2005).

The screening level of 80 mg/kg for lead was used to evaluate the development portion of Site 39 and is based on OEHHA benchmark change in blood lead concentration criteria and the DTSC methodology for calculating risk-based soil preliminary remediation goals (Army, 2017).

The Site 39 ROD Amendment (Army, 2009) established revised cleanup levels that apply to habitat areas of the site. They are ecological based range-wide weighted average cleanup levels of 225 mg/kg for lead, 3.1 mg/kg for RDX, 5.9 mg/kg for TNT, and 2.7 mg/kg for HMX.

Operations and Maintenance

The PRHRA was conducted for chemical contamination at Seaside transfer Parcels 1 through 4 to evaluate the potential human health risks and hazards associated with exposure to residual contaminants in soil and evaluate the need for restricting residential land usage based on

predicted risks to hypothetical residents. Based on the conservative evaluation of potential risks and hazards under post-remediation conditions, adverse non-cancer health effects and cancer risks are considered unlikely to be associated with future commercial or residential development at the Seaside parcels under the exposure conditions evaluated. In addition, due to the reduction in human health risks following the remediation of Ranges 19, 21, and 46, a restriction on residential development was not recommended. No remediation of Ranges 20, 22, 23, and 48 was necessary based on the sampling results. Reconnaissance of HA-50, HA-59, and HA-112 through 115 did not indicate the potential for chemical contamination. The amount of risk due to exposure to lead in soil is below the levels of concern established by CalEPA and EPA (Shaw/MACTEC, 2008).

As a follow-up to the 3rd Five-Year Review, an additional evaluation was conducted by the Army to determine the protectiveness for Site 39 (Army, 2017). Results of the evaluation were presented in the *Final Technical Memorandum Evaluation of Lead Concentrations at Selected Sites* (KEMRON, 2019). Based on the results presented in the memorandum, the remedial actions performed for the development ranges except for HAs 18D and 23D are protective of future site users (KEMRON, 2019).

There is no completed or ongoing O&M, or implementation of institutional controls associated with the soil remedy at the Site 39 development HAs. For HA-18D and HA-23D, residential use restriction will be placed to be in effect until additional remediation is conducted.

Within the habitat parcels included in the partial deletion, soil remediation was conducted in HA-43 and HA-44H. These areas are subject to habitat restoration and monitoring according to established protocols. Monitoring results are reported annually to the U.S. Fish and Wildlife Service.

Statement of Action Complete

Site 39 remedial actions performed for the development areas are protective of current and future site users with the exception of HA-18D and HA-23D (Army, 2017). This conclusion was reached based on the results of completed investigations and remedial actions, and *Revised Final Technical Memorandum Evaluation of Lead Concentrations at Selected Sites* (KEMRON, 2019). Site 39 remedial actions for the four habitat reserve parcels included in the partial deletion is complete, as described in the *Final Remedial Action Completion Report, Site 39 Inland Ranges Habitat Reserve* (Gilbane, 2014).

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Site 3

Site Background

Site 3, the Beach Trainfire Ranges (780 acres), extends approximately 3.2 miles along the coastline of Monterey Bay at the western boundary of Fort Ord and was used for small arms training beginning in the 1940s. In general, trainees fired small arms weapons from firing lines in the eastern portion of the site toward targets spaced at various intervals to the west. Spent ammunition (individual cartridge casings from a firearm in which the propellant [powder] has been ignited and vaporized [fired]) and the projectiles accumulated on the east-facing (leeward) sides of the sand dunes that formed the "backstops" for the targets. The fragmented projectiles from target impacts resulted in soil contamination with lead. Site 3 was transferred in September 2006 to the Department of Interior and conveyed to the State of California, Department of Parks and Recreation (DPR) for use as a public park and public recreation area (now Fort Ord Dunes State Park). These lands currently include open space, hiking trails, and ancillary facilities; campgrounds are planned for the future in areas outside of former firing ranges. The excavation of contaminated soil on this site is complete (Shaw, 2000). Site 3 is identified for partial deletion for soil. There is no groundwater component to this site. The parcels associated with Site 3 that are included in the partial deletion are S3.1.1, S3.1.2, and S3.1.4.

Remedial Investigation and Feasibility Study

The objectives of the RI were to collect sufficient data to assess: (1) the lateral and vertical extent of potential contamination, (2) the potential threat to human health and the environment from SRCs, and (3) the potential remedial measures, if needed. There were five proposed tasks to be completed during the RI: (1) source characterization, (2) soil contamination investigation, (3) air sampling investigation, (4) groundwater contamination investigation, and if necessary (5) ecological receptor investigation. Based on the evaluation of the data collected during the first three tasks, the groundwater investigation was not considered necessary. Lead was found to be the primary contaminate due to it being the highest concentration in soil and its high toxicity. Lead concentrations in the soil followed a vertical distribution, extending to a depth of 1 to 2 feet bgs. Because the occurrence of lead in only shallow soils and groundwater data from nearby wells indicating no detection of lead contamination, there is little potential for groundwater contamination (HLA, 1995).

The FS was conducted to evaluate the health-based levels of concern at the Site and evaluate the proposed alternative remedies using the CERCLA evaluation criteria. Three remedial alternatives were evaluated:

- Alternative 1: NFA
- Alternative 2: Excavation, screening and soil treatment
- Alternative 3: Excavation, screening, and onsite disposal

The FS recommended alternative 3, excavation of the material with screening and onsite disposal, as the preferred alternative based on the evaluation criteria.

Selected Remedy and Decision Documents

The Interim ROD, Site 3 (Army, 2005) identified RAOs based on the proposed reuse for the site as a state park consisting mostly of open space. The RAOs for the protection of human health at Site 3 are to reduce the potential adverse health effects associated with noncarcinogenic SRCs by remediation to health-based levels of concern.

A human health-based level of concern of 1,860 mg/kg was developed for lead in soil for Site 3. Concentrations of lead above 1,860 mg/kg occurred mainly in areas where greater than 10 percent of the surface area was covered by spent ammunition. Although some areas with moderate bullet distribution contained lead above the human health-based level of concern, the Ecological Risk Assessment (ERA) recommended remediation only in areas of heavy bullet distribution to minimize impacts to the sensitive ecological habitat. Therefore, the SRU for Site 3 is defined by those areas of heavy bullet distribution (greater than 10 percent surface coverage by bullets).

The selected remedy consisted of mechanical and hand excavation of soil in areas with greater than 10 percent coverage of spent ammunition, followed by mechanical separation using screens and gravity-feed separation techniques.

The Site 3 Interim ROD (Army, 1997) deferred evaluation of ecological risks, which were subsequently finalized in the *Record of Decision, No Further Action Related to Munitions and Explosives of Concern-Track 1 Sites; No Further Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22)* (Army, 2005).

Response Actions

The Army has completed the remedial action at Site 3 in accordance with CERCLA and the Site 3 Interim ROD (Army, 1997). The remedial action included excavation of soil contaminated with lead and associated spent ammunition. Approximately 162,800 cy of impacted soil were removed from Site 3, of which approximately 129,200 cy was transported to the screening plant for separation of spent ammunition from soil. The remaining 33,600 cy, composed of approximately 26,700 cy of vegetation and 6,900 cy of soil from over-excavated areas (containing little spent ammunition), were not screened and were used as general fill at the OU2 Landfills, Area E. Of the screened material, approximately 42,000 cy were used for the foundation layer at Area E; 49,200 cy were used for the foundation layer at Area F; and 38,000 cy were used as general fill at Area E. Approximately 719,000 pounds of spent ammunition recovered from the screening operations were recycled and reclaimed at an off-site facility.

After excavation, confirmation soil samples were collected, and the dunes were re-contoured to provide a more natural appearance. All final confirmation samples had reported lead concentrations of less than 1,860 mg/kg and, therefore, met the human health-based cleanup level of 1,860 mg/kg for lead, as defined in the ROD. The average lead concentration in soil remaining in the firing ranges following the remedial activities was 161 mg/kg. For individual firing ranges, the average lead concentrations ranged from 13.1 mg/kg to 385 mg/kg. The post-remediation HHRA stated that unacceptable human health risks and hazards are considered unlikely to be associated with future recreational, commercial, or residential development of Site 3 under the exposure conditions evaluated (IT, 2000). The post-remediation ERA concluded that significant risks to herbivorous birds and carnivorous/omnivorous mammals from exposure to residual chemicals remaining in the soil at Site 3 are not expected (HLA, 1998). Potentially significant risks were identified for two "hot spot" areas where chemical concentrations in soil were elevated. However, significant risks to populations of small mammals and plants from exposure to residual chemicals in soil are not expected. The soil remediation resulted in the site being available for its intended use as a public park and public recreation area.

The 2005 ROD (Army, 2005) stipulates that Site 3 is protective of ecological receptors and that NFA is necessary. Ecological monitoring would be conducted to confirm the results of the evaluations conducted previously. The 2005 ROD required this data to be evaluated during Five-Year reviews to assess the need for continued ecological monitoring and to ensure the

decision remains protective of the environment. Overall, the 2005 ROD requires NFA with monitoring at Site 3.

Cleanup Levels

Given the conservative assumption based on the proposed use of the site, that a nearby resident, visitor, or onsite park ranger would possibly be exposed to lead only in the areas with moderate and heavy bullet distribution, a health-based cleanup level of 1,860 mg/kg of lead in soil was developed to apply to areas of greater than 10 percent surface coverage by spent ammunition per the Interim ROD (Army, 1997).

Based on the ERA, the Interim ROD (Army, 1997) deferred the environmental cleanup level for lead. The 2005 ROD (Army, 2005) stated that No Further Remedial Action was required (with monitoring) because: (1) a substantial portion of bullets and contaminated soil have been removed from the site; (2) data collected before and after cleanup show that the remaining average site-wide concentration of lead in soil is 161 mg/kg; and (3) the ecological sampling to date has shown that the cleanup appears to be protective of populations of plants and animals at the site.

In response to the Revised California Human Health Screening Levels for Lead, Integrated Risk Assessment Branch, OEHHA, CalEPA (CalEPA, 2009), the *Technical Memorandum Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, Monterey County, California* (KEMRON, 2019), reviewed Site 3. The property was transferred for its intended use for park and recreational activities and not for residential purposes. The remedy was found to be protective of human health (KEMRON, 2019).

Operations and Maintenance

The 2005 ROD (Army, 2005) stipulates that ecological monitoring would be conducted in accordance with an approved work plan. This data would be evaluated in conjunction with previous ERA and evaluation data during the Five-Year Reviews to assess the need for continued ecological monitoring and make sure the decision remains protective for the environment.

Ecological monitoring was conducted at the Site per the Habitat Restoration and Monitoring Plan (Shaw, 2008) and reported in annual reports. The *Final 2016 Annual Biological Monitoring Report, Fort Ord Dunes State Park, Former Fort Ord, California* (Chenega, 2016) determined that no additional monitoring is required at Site 3. Based on the finding of buckwheat survivorship in the remediated and non-remediated areas (92%, 98% respectively) in the 2015/2016 monitoring season, the difference was not statistically significant and could be a result of other factors besides lead contamination.

The area of former Site 3 is now Fort Ord Dunes State Park. Per the *Fort Ord Dunes State Park Memorandum of Understanding and Land Use Covenant between DTSC and Department of Parks and Recreation* (DTSC, 2007), it is the State's internal agreements that DPR is responsible to collect spent lead bullets uncovered over time and place in appropriate containers on site. The Army has agreed that, provided the DPR staff collect spent bullets and notify the Army, the Army will collect spent bullets and either recycle the material or properly dispose of it through the Army's hazardous waste disposal process (Army, 2006).

The most recent Five-Year Review (Army, 2017) finds that the remedy at Site 3 is protective of human health and the environment. The LUCs and access restrictions in effect for the State Park continue to provide human health protection and there is no evidence of any impacts to human health or the environment in the unrestricted land use areas of Site 3. It should be noted

that based on the results of the most recent Five-Year Review, Site 3 will continue be included in future Five-Year Reviews until such a time as all LUCs have been removed.

There are no O&M requirements for Site 3.

Statement of Action Complete

All RAOs as defined in the Interim and 2005 RODs have been met and all response actions have been completed for Site 3. There are no additional actions found to be necessary for the soil at Site 3.

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OU1 – Fritzsche Army Airfield Fire Drill Area

Site Background and History

The Fritzsche Army Airfield (FAAF) Fire Drill Area (FDA) was established in 1962 as a training area for the Fort Ord Fire Department in the west portion of the FAAF. As part of training activities, waste fuel (primarily composed of outdated or water-contaminated JP-4) was discharged from an onsite storage tank into a pit, ignited, and then extinguished. Other fuels included hydraulic and lubrication oils, gasoline, diesel, and solvents. Training activities at the FDA were discontinued in 1985 and the associated structures (pipeline and storage tank) were removed. These training activities are believed to have resulted in the release of contaminants to soil and groundwater (Army, 2017).

The first site investigation was conducted at the FDA in 1984, which led to the conclusion that soil and groundwater cleanup were required in this area. The area was designated as Operable Unit 1. Groundwater monitoring within OU1 began in January 1986 and ended in December 2015.

Remedial action completion has been achieved at OU1, as described in the *Final Closeout Report, Operable Unit 1 Groundwater Remediation, Fritzsche Army Airfield Fire Drill Area, Former Fort Ord, California* (HGL, 2017). In 2020, the *Draft Final Technical Summary Report — Perfluorooctanoic Acid and Perfluorooctane Sulfonate Basewide Review of Historical Activities and Groundwater Monitoring at Operable Unit 2 Former Fort Ord, California*, was developed in response to requests from EPA and DTSC for additional information regarding the potential presence of PFAS compounds at former Fort Ord. The FAAF FDA is recommended for further PFAS groundwater investigation (Ahtna, 2020). The recommended investigation will be completed independent of the completed OU1 remediation and not associated with the OU1 ROD. Groundwater is not considered for partial deletion at this time.

Only the OU1 soil remedial unit (SRU) is identified for partial deletion at this time. The parcels associated with OU1 that are included in the partial deletion are S2.1.2 and downgradient S2.1.5.

Remedial Investigation and Feasibility Study

The scope of the Remedial Investigation (RI) at the FDA included:

- Defining the extent of surface and subsurface soil contamination.
- Assessing the hydrogeologic characteristics of the uppermost aquifer at the FDA.
- Identifying the types and concentrations of contaminants in groundwater.
- Delineating the extent of groundwater contamination.

The results of the RI indicated:

- The primary chemicals of concern (COCs) in surface and shallow soil were light and heavy total petroleum hydrocarbons (TPH). Soil generally contained low concentrations of TPH (light or heavy) with sporadic detections of volatile organic compounds (VOCs).
- The primary COCs in groundwater were benzene, trans-1,2-dichloroethene, methyl ethyl ketone, and trichloroethene (TCE). The highest concentrations were detected in groundwater from wells within and downgradient (north) of the FDA.

The Feasibility Study (FS) recommended the following remedies for soil and groundwater:

- Soil excavation, land farming, and in situ biodegradation.

- Groundwater extraction and treatment with granular activated carbon (GAC).

The FAAF FDA is recommended for further investigation for groundwater PFAS concerns. No additional soil investigation is recommended as the AFFF impacted soils at the site were removed as part of the response action in 1987. The response action, soil removal, eliminated the source of contamination (Ahtna, 2020).

Selected Remedy

The OU1 Record of Decision (ROD) was finalized in 1995 and stated the contaminated soils at the FDA had been remediated (Army, 1995). The OU1 ROD defined groundwater extraction and treatment as the selected remedial action for OU1 groundwater. The remedial action objectives (RAOs) specified in the OU1 ROD are (1) hydraulic control and containment of contaminated groundwater, and (2) extraction and treatment of groundwater exceeding aquifer cleanup levels (ACLs). The second objective is expressed in terms of aquifer concentrations for ten specific COCs, all of which are VOCs.

In 2010, the U.S. Department of the Army (Army) signed an Explanation of Significant Differences (ESD) that addressed the expanded remediation efforts needed at OU1 (Army, 2010). The primary factors driving the need for the ESD were:

- The TCE plume migrated outside the capture zone of the original GWETS. Because the TCE plume extended downgradient of the former Fort Ord property boundary and under the adjacent property (Armstrong Ranch), the size and configuration of the remedial action were altered.
- The size of the remedial action changed, which caused significant increases in the costs from those estimated in the OU1 ROD.
- Land use controls (LUCs) regarding contaminated groundwater at Fort Ord were signed after the OU1 ROD was signed. These LUCs prohibit the use of groundwater from OU1 without permission from State and county regulators, thereby eliminating potential exposure pathways.

Response Actions

In 1987, approximately 4,000 cubic yards (cy) of contaminated soil were removed from the FDA, and the area was then backfilled with clean fill (soil). Excavated soils were spread over the area of the former FDA to a depth of 2.5 to 3 feet above the original ground surface and remediated using treated groundwater supplemented with an aqueous nutrient formulation to stimulate microbial degradation of hydrocarbons in the soil (HLA, 1994).

Groundwater remediation efforts began in 1988 by initiating the groundwater extraction and treatment system (GWETS). The GWETS included two extraction wells placed downgradient from the FDA connected to a GAC treatment system located within the former FDA footprint. This remediation system is identified as the “original GWETS” to distinguish it from subsequent treatment areas. Treated groundwater from the GWETS was recharged to the groundwater through a spray irrigation system at the FDA (HGL, 2017).

In response to the significant change in the size and configuration of the plume, the Army constructed the Northwest Treatment System (NWTS) in 2006 (with augmentation in 2007 and 2010), and the Off-Site GWETS that operated in 2008 and 2009 (HGL, 2016). These treatment facilities also used GAC to remove the COCs from groundwater.

In a letter dated September 8, 2011, the USEPA concurred with the Army’s determination that the OU1 remedy was “operating properly and successfully” (USEPA, 2011).

Cleanup Levels

The results of the field investigation and subsequent risk assessment performed during the OU1 remediation confirmation study using the data collected during the investigation indicated the post-remediation concentrations of COCs present in soil do not present a risk to human health or ecological receptors under the proposed land use, which calls for the property to be included as protected habitat as part of the University of California Natural Reserve System. Therefore, soil remediation is complete at the site (HLA, 1994).

Analytical data indicate RAOs have been met for groundwater at OU1. To verify the site conditions are protective of site receptors and allow for future beneficial use to occur, human health risks were calculated based on exposure to site groundwater using the most recent attainment monitoring analytical results from December 2015. The overall cumulative cancer risk and non-cancer hazard indices are all less than the corresponding risks based on the use of cleanup targets, indicating current conditions meet and exceed risk-reduction objectives corresponding to the ROD cleanup targets. Based on these comparisons and the completion of the cleanup within the source area, the requirements of the OU1 ROD have been met and remediation of OU 1 groundwater may be considered complete (Army, 2017). Future PFAS groundwater investigation associated with the site will be conducted independently of the OU1 ROD.

Operations and Maintenance

There are no treatment systems operations and maintenance (O&M) activities currently required at OU1. The original GWETS and associated equipment were decommissioned and removed from the site in 2014. The NWTS and all remaining OU1 wells were decommissioned in 2016 as part of site closure. The Off-Site GWETS and the treated water discharge pipeline were decommissioned and removed in 2014, and the off-site OU1 monitoring wells, extraction wells, and associated pipeline were decommissioned in 2016 (HGL, 2017).

OU1 groundwater contamination was limited to the A-Aquifer. Although this aquifer is not used for drinking water purposes, the OU1 area is located within the Consultation Zone of the Special Groundwater Protection Zone established by Monterey County. In accordance with Monterey County Code Title 15, Chapter 15.08.140, construction of any proposed well in the Consultation Zone must be permitted by the Monterey County Health Department in consultation with the Army, U.S. Environmental Protection Agency (EPA), California Department of Toxic Substances Control (DTSC), and California Central Coast Regional Water Quality Control Board (RWQCB).

Determination that the Criteria for Deletion have been Met

All RAOs as defined in the OU1 ROD have been met and all response actions have been completed for OU1. There are no additional actions found to be necessary for soil at OU1. In March 2016, EPA, DTSC, and RWQCB determined OU1 remediation is complete and EPA concurred with the recommendation for site closure (Army, 2017). There are no soil PFAS concerns at the site. The recommended PFAS investigation at the FAAF FDA will be conducted separately from OU1; groundwater is not included in the NPL deletion at this time.

The implemented remedy achieves the degree of cleanup or protection specified in the OU1 ROD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

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OU2 – Fort Ord Landfills, Area A Only

Site Background

The Operable Unit 2 (OU2) formerly included six landfill cells, one cell north and five cells south of Imjin Road, covering approximately 150 acres. The north landfill (Area A, north of Imjin Road) was used from 1956 to 1966. The main landfill (cells B through F, south of Imjin Road) was operated from 1960 until 1987. The main landfill stopped accepting waste for disposal in May 1987 because of the initiation of interim closure of the facility (Army, 1994). Only Area A is identified for partial deletion for soil. All other portions of the landfill and OU2 groundwater plume remain on the NPL.

The Area A landfill was used for residential and on-base commercial waste disposal. The Area A was an irregularly-shaped area of approximately 33 acres. Waste was generally placed in parallel trenches typically 30 feet wide that extended 10 to 12 feet bgs. Overall, refuse was placed to within approximately 2 feet of the ground surface and covered with soil. Sports fields, courts, and playgrounds were later constructed over the landfill for use by residents of housing units bordering the site to the north, east, and west (IT, 2001).

As part of the remedial action at Area A, waste was removed and consolidated into the main landfill (Areas B through F) south of Imjin Road. Confirmation sampling and post-remediation screening risk assessment supported the clean-closure of Area A.

Only the OU2 Area A soil remedial unit (SRU) is identified for partial deletion at this time. The parcels associated with OU2 Area A that are included in the partial deletion are L5.6.1, L5.6.2, E4.3.1.1, E4.3.1.2, and E4.6.1.

Remedial Investigation and Feasibility Study

In 1986, the preliminary environmental investigation of the OU2 Landfills were initiated (IT, 2001). Field activities for Remedial Investigation were performed in two phases. The first phase (Phase I) began in January 1990, which included the following activities (D&M, 1993):

- Drilling and sampling of 12 soil borings which were converted to groundwater monitoring wells;
- Drilling and sampling of 16 shallow soil borings;
- Excavation of six test pits;
- Soil gas survey of four areas in and around the former landfills;
- Monitoring well development and pump installation; and
- Quarterly groundwater sampling.

The second phase (Phase II) began in January 1992 and included the following activities (D&M, 1993a):

- Drilling and sampling of eleven soil borings which were converted to groundwater monitoring wells;
- Monitoring well development and pump installation;
- Collection of 41 surface soil samples;
- Electromagnetic geophysical survey;
- Soil gas survey of specific areas not covered during Phase I; and
- Quarterly groundwater sampling.

A trench investigation was performed in Landfill Area A in March 1993.

The results of the RI found no VOCs detected in soil samples, with the exception of toluene as a suspected sample method contaminant and not associated with the site. Metals were detected in all soil samples, but all concentrations were comparable to background concentrations (IT, 2001). Based on the RI results, subsurface soil is not of concern, but waste present in the landfill materials appears to be a source of chemical migration into the underlying groundwater, and therefore is of concern. Chemicals of concern were detected in soil vapor at very low concentrations, but soil gas is considered to be of concern for the purposes of determining appropriate post-closure soil gas control to respond to state requirement, specifically 14CCR, Chapter 3, Article 7.8. The results of RI also showed that the groundwater appeared to have been affected by the landfills as chemicals of concern were detected above federal and state maximum contaminant levels (MCLs) for drinking water (D&M, 1993b).

The FS recommended the following remedies for landfill and groundwater (D&M, 1993b):

- Cap over landfill area; vapor control included in cap design.
- A-Aquifer and 180-Foot Aquifer groundwater removal, treatment and recharge to the subsurface.
- Groundwater monitoring.

Selected Remedy and Decision Documents

The OU2 Landfills ROD (Army, 1994) presents the selected remedial action for the OU2 Landfills, including Area A. When the OU2 Landfills ROD was prepared, placing an engineering cover system, or cap, over all landfill cells was planned, with excavation on the perimeter of the northern portion of the landfill. Subsequent evaluations indicated that all of Area A and some perimeter areas of the main landfill should be removed and consolidated into the main landfill south of Imjin Road. This approach would provide fill material necessary to construct the landfill cap cover system for the main landfill and consolidate landfill waste. In addition, the need for cap maintenance and monitoring in the area north of Imjin Road would be eliminated (Army, 1996).

An Explanation of Significant Differences (Army, 1996) was developed for Area A. The selected remedial action for soil at Area A as explained in the ESD includes the following (IT, 2001):

- Excavation of the Area A Landfill refuse and impacted soil, and disposal as general fill at the remaining OU2 Landfill;
- Cleanup of soil in the excavated areas to the Fort Ord preliminary remediation goals; and
- Installation of an engineered cover system over the remaining landfill.

Response Actions

The remedial action at Area A was conducted in accordance with the requirements of the OU2 Landfills ROD (Army, 1994) and the ESD (Army, 1996). Excavation at Area A was conducted between July 4, 1996 and January 17, 1997 with a small volume of soil removed in October 1998 after further review of confirmation samples. Excavation at Area A was conducted using track-mounted excavators with buckets and support equipment included front end loaders, bulldozers, and haul trucks. During excavation, the refuse trenches were discovered to be wider and deeper than previously estimated. As a result, the quantity of refuse removed from the area was greater than originally anticipated (IT, 2001).

Excavation continued until visible debris was removed and confirmation sampling demonstrated that the cleanup levels for Area A were met. Approximately 585,000 cy of refuse were excavated during the remediation of Area A and placed and compacted as part of the general fill

in Areas B, C, D, and F of the OU2 Landfills. An additional 376,000 cy of material unimpacted by refuse were removed and used as backfill at other former Fort Ord remedial action sites, as well as for the vegetative layer and foundation layer of the OU2 Landfill. Confirmation sampling was performed to demonstrate that cleanup goals were met through removal of waste and affected soil at Area A. Additional excavation and secondary rounds of sampling were performed in locations where analytical results exceeded the PRGs listed in the ESD. There were no more than two additional rounds of overexcavation and three rounds of sampling associated with any sample location (IT, 2001).

After confirmation sampling and visual inspection of Area A indicated that cleanup goals were achieved, site restoration and re-grading was completed.

Cleanup Levels

Relatively few contaminants were found during the RI phase of Area A. As such, the target analytes for Area A confirmation sampling were chosen to include a broad spectrum of potential contaminants including and following required analyses:

- VOCs,
- SVOCs,
- Pesticides and PCBs,
- Purgeable Petroleum Hydrocarbons,
- Extractable Petroleum Hydrocarbons and,
- Priority Pollutant Metals.

Results of analyses were to be compared against Fort Ord PRGs as identified in the ESD (Army, 1996). If additional chemicals were present not included in the ESD, EPA Region IX residential PRGs were to be used as cleanup criteria.

Confirmation sampling results at Area A were almost all below the Fort Ord PRGs. A few results exceeded the Fort Ord PRGs but were less than the corresponding EPA residential PRGs (PCBs and Dieldrin). The only results that exceeded both the Fort Ord and EPA residential PRGs (PCBs) were from locations adjacent to Abrams Drive that appeared to be related to engineered fill used in that area rather than the refuse in Area A (IT, 2001).

A Post-Remediation SRE was conducted for Area A to evaluate potential risks to human receptors from chemicals remaining in soil following remediation of the site. The SRE indicated that adverse non-carcinogenic health risks to future residential receptors at the site were not anticipated to occur. A comparison of maximum chemical concentrations at the site to EPA Region IX PRGs for residential receptors indicated that potential cancer risks associated with maximum chemical concentrations at the site were within EPA's risk management range. A cumulative estimated cancer risk demonstrated that chemical concentrations in soil at the site were unlikely to pose an incremental cancer risk of concern for hypothetical residential receptors (IT, 2001).

Operations and Maintenance

Because the RAOs for removal of refuse and impacted soil at Area A were achieved based on the OU2 Landfills ROD and ESD, there are no remedial systems to maintain or attenuation processes to monitor. As a result, there is no Operations and Maintenance required for Area A (IT, 2001).

Statement of Action Complete

The remedial action completed at OU2 Landfill Area A meets the RAO established in the OU2 Landfills ROD (Army, 1994) and ESD (Army, 1996). There are no additional actions found to be necessary for soil at OU2 Area A.

The implemented remedy achieves the degree of cleanup or protection for OU2 Area A specified in the OU2 Landfills ROD and ESD for the deletion parcels and no further Superfund response is needed to protect human health and the environment.

Document References

- Dames & Moore (D&M), 1993a. *Final Remedial Investigation Report, Remedial Investigation/Feasibility Study, Fort Ord Landfills, Fort Ord, California*. June. AR# OU2-222
- D&M, 1993b. *Final Feasibility Study Report, Remedial Investigation/Feasibility Study, Fort Ord Landfills, Fort Ord, Monterey, California*. October. AR# OU2-251
- IT Corporation, 2001. *Draft Final Remedial Action Confirmation Report and Post-Remediation Screening Risk Assessment Area A, Operable Unit 2 Landfills, Former Fort Ord, California, Revision 0, April 2001*. April 30. AR# OU2-599A
- United States Army (Army), 1994. *Record of Decision Operable Unit 2, Fort Ord Landfills, Fort Ord, California*. July 15. AR# OU2-480
- Army, 1996. *Explanation of Significant Differences Area A, Operable Unit 2 Landfill, Fort Ord, California*. August 13. AR# OU2-458

Operable Unit Carbon Tetrachloride Plume (OUCTP) Soil Only

Site Background and History

OUCTP soil investigation is complete with no soil contamination identified and soil gas effectively implemented as part of the RI. The soil remediation unit is included in the partial deletion. Groundwater contamination at OUCTP remains on the NPL due to ongoing remedy. Analytical results for groundwater samples collected from three Army-owned water supply wells between 1985 and 1991 indicated a sporadic presence of carbon tetrachloride (CT). These wells became inactive between 1986 and 1991 (HLA, 1999), and were decommissioned in 1999. CT was also identified in groundwater at Fort Ord in 1992, but this was not associated with a particular site. To evaluate the extent of CT in groundwater, several monitoring wells were installed in 1998 as part of an initial investigation of CT, the results of which were presented in the Draft Final Carbon Tetrachloride Investigation Report (HLA, 1999). Subsequent investigation activities and studies of OUCTP were conducted as part of the OUCTP RI (MACTEC, 2006).

Historical practices (cleaning electronic equipment and radios) gleaned from personal interviews and the knowledge that CT was a very commonly-used solvent from the 1940s through the 1960s, indicated used CT was likely disposed of to the ground over a period of years at a former training facility in the vicinity of what is now Lexington Court, a residential area in the northern portion of the former Fort Ord. Activities associated with this facility, which is reported to have stored CT in five-gallon cans, presumably included the use and disposal of CT. No records exist to indicate exactly when, how often, or how much CT may have been used, stored, or disposed of; however, by delineating the areas of highest concentration in the groundwater and the soil vapor, the apparent CT disposal location was identified (MACTEC, 2006).

Concentrations of CT in soil vapor were generally low from the near surface down through the unsaturated dune sands. This vertical distribution suggested a residual mass, not a recent or continuing one. Groundwater immediately beneath the source area contained only very low concentrations of CT, which suggested an insufficient mass of CT remained in the vadose zone to significantly contribute to the A-Aquifer (MACTEC, 2006).

Only the OUCTP SRU is identified for partial deletion at this time. The parcel associated with OUCTP that is included in the partial deletion is E4.3.2.2. All other parcels associated with OUCTP did not require soils remediation and are also identified for partial deletion.

Remedial Investigation and Feasibility Study

The scope of the RI for OUCTP soils included:

- Defining the extent of surface and subsurface soil contamination.
- To confirm the presence of CT in the vadose zone and to determine whether sufficient CT mass remained in the vadose zone to constitute a residual source that might potentially continue to contaminate the A-Aquifer.
- An SVE pilot study to evaluate the potential to remove residual CT in the vadose zone soils and soil vapor.

The results of the RI indicated:

- No soil contamination was discovered during the study.
- Soil gas surveys were conducted in three phases (I, II, and III) to delineate the location of the soil gas plume. Phase I concluded that the distribution of CT concentrations is consistent both laterally and vertically and suggested increasing concentrations with

depth within a relatively small (5-acre) area. Phase II and Phase III sample results confirmed the presence of CT, chloroform, PCE, and TCE in the vicinity of Lexington and Ready Courts at all depths, with concentrations increasing linearly with increasing depth.

- The SVE pilot study was successful in removing the source of carbon tetrachloride (Shaw, 2006).

The FS only addressed groundwater contamination because no soil contamination was discovered during the RI, and the pilot SVE removed CT from the soil gas at the source area (MACTEC, 2006).

Selected Remedy

The OUCTP ROD was finalized in 2008. No remedy for OUCTP soil was outlined in the ROD because an SVE pilot study had been performed to evaluate remediation of vadose zone soils in the OUCTP source area (April – November 2004), and soil samples collected during the RI showed no soil contamination. The OUCTP ROD identified the groundwater remedies as enhanced in situ bioremediation (EISB) and monitored natural attenuation (MNA) in the A-Aquifer, hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater exceeding ACLs in the Upper 180-Foot Aquifer, and MNA in the Lower 180-Foot Aquifer. The remedial action objective (RAO) for groundwater at OUCTP is to remediate COCs in the A-Aquifer, Upper 180-Foot Aquifer, and Lower 180-Foot Aquifer to Federal or California drinking water MCLs or lower for some COCs.

Response Actions

The SVE pilot study was implemented as part of the RI because analytical results from soil gas and groundwater samples collected in the vicinity of Lexington Court and Ready Court suggested a source of CT was present in the vadose zone soils in this area (MACTEC, 2004). These previous investigations showed that soil gas concentrations were higher in proximity to the water table than at shallow depths.

The SVE pilot study also provided source control for the CT groundwater plume and reduced or minimized the potential for vapor intrusion into the nearby housing area. System operation started on April 4, 2004 and ended on November 8, 2004. During SVE system operation, 0.78 pounds of CT was removed from the vadose zone. CT soil gas data collected six months after the SVE system was shut down showed only low levels (an average of 0.06 parts per billion by volume [ppbv]) of CT concentrations. This indicated the CT source had been removed; therefore, no additional cleanup activity was recommended for soil gas in the vicinity of Lexington Court (Shaw, 2006).

Groundwater remediation efforts began in 2007 with a pilot deployment of EISB in a downgradient area of the A-Aquifer near the boundary between the former Fort Ord and the City of Marina. This was followed by six additional EISB deployments in different parts of OUCTP in the A-Aquifer in 2009 (Deployment Area 1A), 2010 (Deployment Areas 1B and 1C), 2011 (Deployment Areas 2A and 2B), and 2016 (Deployment Area 3A). MNA for the Lower 180-Foot Aquifer was initiated in 2008, and hydraulic control and containment of contaminated groundwater through extraction and treatment of groundwater in the Upper 180-Foot Aquifer was initiated in 2011 with construction of an extraction well that was connected to the OU2 groundwater treatment plant. In a letter dated September 3, 2013, the USEPA concurred with the Army's determination that the OUCTP remedies are "operating properly and successfully" and provided a remedy construction complete determination (USEPA, 2011 and 2013).

Cleanup Levels

No cleanup levels for OUCTP soil and soil gas were defined in the OUCTP ROD because soil samples collected during the RI showed no soil contamination and the SVE pilot study was effective in removing VOCs, specifically CT, from the soil gas and provided source control for the CT groundwater plume.

ACLs for groundwater at OUCTP are defined in the OUCTP ROD (Army, 2008). Analytical data indicate progress toward RAOs for groundwater at OUCTP, but RAOs have not been met.

Operations and Maintenance

There are no treatment systems O&M activities are currently required at OUCTP for soils. Since the objectives of the pilot study were achieved, the pilot treatment system was demobilized from the site in November 2004. The last sampling event conducted in April 2008 showed that the objectives have been achieved (Shaw, 2010).

The OUCTP area is located within the Prohibition Zone of the Special Groundwater Protection Zone established by Monterey County. In accordance with Monterey County Code Title 15, Chapter 15.08.140, construction of any proposed well in the Prohibition Zone is restricted and will not be permitted by the Monterey County Health Department (other than wells installed by the Army for remediation purposes).

Determination that the Criteria for Deletion have been Met

The OUCTP ROD concluded the SVE pilot study successfully removed the CT source; therefore, no additional remedial activity is required for soil or soil vapor formerly associated with OUCTP (Shaw, 2010).

Document References

- California Environmental Protection Agency (CalEPA), 2005. *Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties: Table 2.*
- Harding Lawson Associates (HLA), 1999. *Draft Final Carbon Tetrachloride Investigation Report, Fort Ord, California.* November 10. AR# BW-1997U
- MACTEC Engineering and Consulting Inc. (MACTEC), 2004. *OUCTP SVE Pilot Study Test Letter Report.* January.
- MACTEC, 2006. *Final Operable Unit Carbon Tetrachloride Plume Groundwater Remedial Investigation/Feasibility Study, Former Fort Ord, California, Volume I – Remedial Investigation; Volume II – Human Health Risk Assessment; Volume III – Feasibility Study.* May. AR# OUCTP-0011P
- Shaw Environmental, Inc. (Shaw), 2004a. *Final Work Plan and Sampling and Analysis Plan, Pilot Soil Vapor Extraction and Treatment, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California. Revision 0.* AR# OUCTP-0007
- Shaw, 2004b. *Draft Final Report, March 2004 Indoor Air Sampling, Lexington Court, Former Fort Ord, California. Revision 0.* September 30. AR# OUCTP-0008K
- Shaw, 2006. *Draft Final Evaluation Report Pilot Soil Vapor Extraction and Treatment Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California, Revision 0.* May. AR# OUCTP-0013C
- Shaw, 2010. *Final Interim Remedial Action Completion Report, Operable Unit Carbon Tetrachloride Plume, Former Fort Ord, California, Revision 0.* April. AR# OUCTP-0040E
- U.S. Department of the Army (Army), 2008. *Record of Decision Operable Unit Carbon Tetrachloride Plume, Former Fort Ord California.* February 6. AR# OUCTP-0021D

- U.S. Environmental Protection Agency (USEPA), 2011. *EPA finds that the Army has provided sufficient information to confirm that Monitored Natural Attenuation (MNA) is working as per the guidelines listed in the Record of Decision. EPA concurs that MNA in the Lower 180-Foot Aquifer portion of the OUCTP groundwater plume is Operating Properly and Successfully.* October 20. AR# OUCTP-0050A
- USEPA, 2013. *EPA Determination of Operating Properly and Successfully/Construction Completion, Operable Unit Carbon Tetrachloride Plume.* September 3. AR# OUCTP-0060.1

5. Site-Specific Information: MMRP Sites

Information on MMRP sites that are identified for partial deletion is provided below. Reference documents specific to the site summaries are listed at the end of each subsection.

Please note that Figure 1 shows current configurations of major roads in the Fort Ord vicinity. As reuse progressed, road names and alignments have been adjusted. Site summaries may refer to road names that existed at the time of investigation. For detailed locations of sites and features, please refer to the documents referenced in the site summaries.

The Army's MMRP addresses explosives safety hazards associated with MEC. Definitions of MMRP terms are provided in Defense Explosives Safety Regulation (DESR) 6055.09, Edition 1, January 13, 2019. Key terms are listed below.

Munitions and explosives of concern (MEC). A term distinguishing specific categories of military munitions that may pose unique explosives safety risks:

Unexploded ordnance (UXO), as defined in section 101(e)(5) of Title 10, U.S.C.;

Discarded military munitions (DMM), as defined in section 2710(e)(2) of Title 10, U.S.C.; or

Munitions constituent (e.g., TNT, cyclotrimethylenetrinitramine (RDX)), as defined in section 2710(e)(3) of Title 10, U.S.C., present in high enough concentrations to pose an explosive hazard.

Unexploded ordnance (UXO). Defined in section 101(e)(5) of Title 10, U.S.C. The term “unexploded ordnance” means military munitions that— (A) have been primed, fused, armed, or otherwise prepared for action; (B) have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material; and (C) remain unexploded, whether by malfunction, design, or any other cause.

Discarded military munitions (DMM). Defined in section 2710(e)(2) of Title 10, U.S.C. The term “discarded military munitions” means military munitions that have been abandoned without proper disposal or removed from storage in a military magazine or other storage area for the purpose of disposal. The term does not include unexploded ordnance, military munitions that are being held for future use or planned disposal, or military munitions that have been properly disposed of, consistent with applicable environmental laws and regulations.

Munitions constituent (MC). Defined in section 2710(e)(3) of Title 10, U.S.C. The term “munitions constituents” means any materials originating from unexploded ordnance, discarded military munitions, or other military munitions, including explosive and nonexplosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions.

Munitions debris (MD). Remnants of munitions (e.g., fragments, penetrators, projectiles, shell casings, links, fins) remaining after munitions use, demilitarization, or disposal.

Following the decision to close Fort Ord, the Army began conducting munitions responses (e.g., investigation, removal) at identified MRSs. The basewide Munitions Response RI/FS program was initiated in 1998. It reviewed and evaluated past munitions responses and recommended future response actions necessary to protect human health and the environment from the potential explosives safety risks posed by MEC that may be present based on the property's proposed reuses. The Fort Ord Reuse Plan (FORA, 1997) and its updates identify the proposed reuses.

The basewide Munitions Response RI/FS program was organized as a “tracking” process whereby sites with similar characteristics are grouped to expedite cleanup, reuse, and/or property transfer. A site or area was assigned to a specific “track” (i.e., Track 0, 1, 2, or 3) according to the level of military munitions usage, and munitions responses (e.g., investigation, removal) conducted, as described in *Draft Final Ordnance and Explosives Remedial Investigation/Feasibility Study Work Plan, Former Fort Ord, California* (OE RI/FS Work Plan; USACE, 2000).

- Track 0 areas at the former Fort Ord are not suspected of having been used for military munitions-related activities and there is no evidence to indicate the presence of MEC.
- Track 1 sites were suspected to have been used for military munitions-related activities (i.e., training), but based on the results of a remedial investigation, no further action is required.
- Track 2 sites are areas where MEC have been encountered and a removal has been conducted.
- Track 3 sites are areas: (a) where MEC is known or suspected to exist, but investigations are either not yet completed or need to be initiated; or (b) that may be identified in the future as a Track 3 site.

Tracks 0, 1 and 2 are described below as they relate to the deletion parcels. Additionally, FORA conducted munitions responses under the ESCA and the AOC; the ESCA areas were grouped into several MRAs and addressed in several RODs described below. To date, all of the former Fort Ord properties have been evaluated for the potential for munitions hazards. The status of the MMRP is displayed on Figure 4.

There are parcels that were transferred prior to the initiation of the Munitions Response RI/FS program in 1998. These parcels were evaluated as part of the CERFA, EBS, and FOST processes. The primary objective of CERFA is for federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Several parcels were identified as having no evidence of current or past storage, release, or disposal of hazardous substances or petroleum products or their derivatives, and for which there is no evidence of the presence of other environmental, hazard, or safety concerns. Parcels with no evidence of hazardous substances but required evaluation for potential for the presence of UXO were identified as CERFA Qualified. The parcels were further evaluated in the EBS/FOST processes and transferred after receiving EPA concurrence for transfer under CERCLA Section 120(h)(4) or 120(h)(3). Parcel-specific information is provided in Table 2.

Track 0 ROD and approval memoranda (No Action)

Site Background

In 2002, the Army published *Final Record of Decision No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (Track 0)* (Track 0 ROD; Army, 2002). The Track 0 ROD addresses areas at the former Fort Ord that contain no evidence of MEC and have never been suspected as having been used for military munitions-related activities of any kind based on then-current knowledge, as outlined in *Draft Final Literature Review Report, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California* (HLA, 2000) and investigated under the basewide MR RI/FS Program at former Fort Ord.

The Track 0 ROD addresses designated land parcels, and also provides a plug-in process to address subsequently identified land parcels (areas that are similar to those already approved in the Track 0 ROD) that are considered eligible for inclusion in the Track 0 process. The Track 0 “Plug-In” process requires that No Action decisions for these future Track 0 areas be documented in Approval Memoranda.

Remedial Investigation and Feasibility Study

The 129 Track 0 areas listed in the Track 0 ROD consist largely of land that has been developed for military support or residential use throughout Fort Ord’s history and areas that have no physical or documented evidence of military munitions-related training.

The Track 0 process addresses single or grouped areas of land at the former Fort Ord that have no history of ordnance-related use and for which No Action is needed to protect human health and the environment.

The decision for entering areas into the Track 0 process was based on the results of the literature review, documents referenced therein, and information obtained from site-specific activities and other activities where available. The main sources of information relied upon in evaluating an area's eligibility for Track 0 status included the following:

- The Literature Review Report (HLA, 2000a)
- The Revised Archives Search Report (ASR) (USAEDH, 1997b)
- The Community Environmental Response Facilitation Act (CERFA) Report (Little, 1994)
- The Basewide RI/FS (HLA, 1995)

The literature review process included gathering and reviewing files from multiple sources. Previous investigations at the former Fort Ord that documented munitions-related activities were reviewed along with historical records. Historical records reviewed included range control files, historical maps, aerial photographs, historical film footage, real estate records and newspaper articles. Interviews were conducted with retired military personnel, active enlisted and civilian personnel that served at the former Fort Ord, and others. Other factors considered included physical location of an area, development history, and the results of the remedial investigation and excavation activities at IRP sites.

The Archives Search investigation involved extensive record search of the former Fort Ord related to ordnance documentation and a visual inspection of ordnance sites identified. Records reviewed included aerial photographs, National Archives records, and Fort Ord fire department records. The Archives Search also included interviews with current and former employees.

The CERFA investigation included a search of government records, a review of aerial photographs reflecting prior uses, a visual inspection of the former Fort Ord, physical inspection

of and review of information for adjacent properties and interviews with current and former employees.

The Basewide RI/FS included a review of previous investigations at the former Fort Ord and extensive field investigation activities at several of the Track 0 areas. RI/FS documentation was reviewed and utilized in the delineation of the Track 0 areas. A checklist was developed to highlight the main sources of information used in evaluating each of the areas for Track 0 status.

Track 0 Technical Memorandum, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California (HLA, 2000b) provided the area- or parcel-specific rationale for assigning areas to Track 0 and served as a basis for the Track 0 Proposed Plan.

Selected Remedy and Decision Documents

Because there are no current or potential future risks to human health and the environment posed by MEC at Track 0 areas, no remedial action is necessary in these areas.

The proposed remedy was presented to the community in *Superfund Proposed Plan: No Action is Proposed for Selected Areas at Fort Ord, California* (Army, 2000). A 30-day public comment period began February 4, 2000, and was extended to 60 days at the request of the public, closing on April 4, 2000. The Army also held a public meeting on February 16, 2000. The public comments were considered prior to remedy selection.

No remedial action is necessary in Track 0 areas to meet the objectives of unrestricted use. In the future, should any ordnance-related item be found within any of the areas addressed in the Track 0 ROD, the Army will take appropriate action immediately and, within 90 days of the discovery, will submit a plan for appropriate follow-on action to EPA and DTSC for consultation.

In addition, a “Plug-In” process can be used for documenting No Action determinations for other areas that meet the Track 0 criteria based on requirements described in the Track 0 ROD.

Explanation of Significant Differences Final Record of Decision No Action Regarding Ordnance-Related Investigation (Track 0 ROD), Former Fort Ord, California (Track 0 ESD; Army, 2005a) was prepared to clarify the scope of the Track 0 Plug-In process and the types of areas that the Track 0 ROD intended to make eligible for consideration for No Action under the Track 0 “Plug-In” process. The specific circumstances discussed in the Track 0 ESD are areas where incidental military munitions are found, special case areas where military munitions are found in a disposal area and are fully excavated, and areas where no live firing occurred.

Response Actions

The selected remedy was No Action, which allows for unrestricted reuse.

Additional areas identified as Track 0 were documented as such through the Track 0 Plug-In process. Four separate Approval Memoranda, which are listed below, were prepared to include 45 new areas as Track 0 areas.

- *Track 0 Approval Memorandum, East Garrison Area 1, Former Fort Ord, Monterey, California* (Army, 2003).
- *Track 0 Plug-In Approval Memorandum, Selected Parcels – Group B, Former Fort Ord, California* (Army, 2005b).
- *Track 0 Plug-In Approval Memorandum, Selected Parcels – Group C, Former Fort Ord, California* (Army, 2005c).

- *Track 0 Plug-In Approval Memorandum, Selected Parcels – Group D, Former Fort Ord, California* (Army, 2006).

Cleanup Levels

No action is required for Track 0 areas.

Operations and Maintenance

No operations or maintenance are necessary for the selected remedy.

Statement of Action Complete

The areas addressed under the Track 0 ROD at the former Fort Ord contain no evidence of MEC and have never been suspected as having been used for military munitions-related activities of any kind. The Track 0 areas meet the unlimited use/unrestricted exposure criteria. No action for munitions response is appropriate.

Document References

- Harding Lawson Associates, 1995. *Final Basewide Remedial Investigation/Feasibility Study, Fort Ord, California*. October. AR# BW-1283A
- Harding Lawson Associates, 2000a. *Draft Final Literature Review Report, Ordnance and Explosives, Remedial Investigation/Feasibility Study, Former Fort Ord, California*. January 4. AR# OE-0245H
- Harding Lawson Associates, 2000b. *Track 0 Technical Memorandum, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California*. January 21. AR# OE-0258F
- Little, A.D., 1994. *Community Environmental Response Facilitation Act (CERFA) Report, Fort Ord, Monterey, California*. April. AR# BW-1658
- U.S. Army Engineer Division, Huntsville (USAEDH), 1997. *Revised Archives Search Report, Former Fort Ord, California, Monterey County, California*. Prepared by U.S. Army Corps of Engineers St. Louis District. AR# OE-0022
- Army, 2000. *Superfund Proposed Plan: No Action is Proposed for Selected Areas at Fort Ord, California*. February 1. AR# OE-0267
- Army, 2002. *Final Record of Decision No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (Track 0)*. June 19. AR# OE-0406
- Army, 2003. *Track 0 Approval Memorandum East Garrison Area 1, Former Fort Ord, Monterey, California*. December 1. AR# OE-0472
- Army, 2005a. *Explanation of Significant Differences Final Record of Decision No Action Regarding Ordnance-Related Investigation (Track 0 ROD), Former Fort Ord, California*. April 26. AR# OE-0406D
- Army, 2005b. *Track 0 Plug-in Approval Memorandum, Selected Parcels - Group B, Former Fort Ord, California*. May 27. AR# OE-0525F
- Army, 2005c. *Track 0 Plug-In Approval Memorandum Selected Parcels - Group C, Former Fort Ord, California*. July 1. AR# OE-0527C
- Army, 2006. *Track 0 Plug-in Approval Memorandum Selected Parcels - Group D, Former Fort Ord, California*. May 5. AR# OE-0587

Track 1 ROD and approval memoranda (NFA)

Site Background

Record of Decision, No Further Action Related to Munitions and Explosives of Concern – Track 1 Sites, No Further Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22), Former Fort Ord, California (Track 1 ROD; Army, 2005a) was signed in April 2005. The Track 1 ROD is based on *Final Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California* (Track 1 OE RI/FS Report; MACTEC, 2004). The Track 1 ROD addresses 21 Track 1 MRSs that were suspected to have been used for training with military munitions, but no further response action is required based on remedial investigation.

The Track 1 ROD defines the criteria that additional sites must meet to qualify as NFA sites and describes the approval process. Track 1 NFA sites at Fort Ord are categorized into one of the following three categories:

- Category 1 Sites: There is no evidence to indicate military munitions were used at the site, i.e., suspected training did not occur; or
- Category 2 Sites: The site was used for training, but the military munitions items used do not pose an explosive hazard, i.e., training did not involve explosive items; or
- Category 3 Sites: The site was used for training with military munitions, but military munitions items that potentially remain as a result of that training do not pose an unacceptable risk based on site-specific evaluations conducted in the Track 1 OE RI/FS Report. For this category of sites, field investigations identified evidence of past training involving military munitions, but the training at these sites involved only the use of practice and/or pyrotechnic items that are not designed to cause injury. In the unlikely event that a live item of the type previously observed at the site is found, it is not expected that the item would function by casual contact (i.e., inadvertent and unintentional contact).

For the purposes of the Track 1 ROD and the basewide MMRP at the former Fort Ord, MEC does not include small arms ammunition (.50 caliber and below).

Remedial Investigation and Feasibility Study

The 21 sites were identified for evaluation in the Track 1 OE RI/FS Report based on the literature review and an evaluation of data collected during one or more site visits incorporating visual and geophysical inspections during reconnaissance, sampling, or site walks.

To be included in the Track 1 decision process, the results of the evaluation performed for a site must indicate a strong weight of evidence that the information from the literature review and field investigations supports NFA as determined by the project team (i.e., MR BCT). Site-specific evaluations of archival data (literature review) and field-based investigation data (field reconnaissance, sampling, and site walks) were conducted for each of the 24 candidate Track 1 sites to determine whether sufficient data was available to conclude that NFA related to munitions response was required. Information evaluated for each site included the adequacy of the reconnaissance, sampling, or site walk conducted, the performance of the geophysical equipment used during investigation, data management, and the appropriateness of the site boundaries. Each site report was prepared as a stand-alone RI report addressing: site description; site history and development; potential military munitions based on historical use of the site; history of military munitions investigations; conceptual site model; site evaluation; conclusions and recommendations; and references. For 21 of the 24 candidate sites evaluated

in the Track 1 OE RI/FS Report (MACTEC, 2004), the project team determined the results of the evaluations performed indicated a strong weight of evidence that the information support NFA related to munitions response.

Selected Remedy and Decision Documents

The NFA alternative was presented in *Superfund Proposed Plan, No Further Action is Proposed for Track 1 Sites at Former Fort Ord, California* (Army, 2004). A 30-day public comment period began September 15, 2004, and was extended to 60 days at the request of the public, closing on November 15, 2004. The Army also held a public meeting on September 29, 2004. The public comments were considered prior to remedy selection.

The Track 1 ROD addresses identified potential munitions sites that contain no actionable risks; therefore, no remedial action is necessary for the Track 1 sites. The selected remedy for the Track 1 sites is NFA, which allows for unrestricted reuse.

Even though no actionable risk was identified through the RI process, in the interest of safety, reasonable and prudent precautions should be taken when conducting intrusive operations at the Track 1 sites. The Army recommended that construction personnel involved in intrusive operations at specific MRSs attend the munitions recognition and safety training provided by the Army.

During the five-year review process, the Army will assess whether the education program should continue. If information indicates that no MEC items have been found in the course of development or redevelopment of the site, it is expected that the education program may, with the concurrence of the regulatory agencies, be discontinued, subject to reinstatement if a MEC item is encountered in the future. In the future, should any munitions-related item be reported within any of the areas addressed in the Track 1 ROD, the Army will take appropriate action and submit a plan for appropriate follow-on action to EPA and DTSC within 90 days of the discovery.

In addition, a "Plug-In" process can be used for documenting NFA determinations for areas not included in the original Track 1 ROD that meet the Track 1 criteria based on the ongoing MR RI/FS program.

The Track 1 ROD also documents the final remedy for Site 3 (co-located with MRS-22) regarding ecological risks. Remediation of contaminated soil in former small arms ranges had taken place based on an interim ROD. Because Site 3 (MRS-22) does not appear to pose and unacceptable risk to the environment (ecological receptors) from metals in soil, no further remedial action with monitoring will be conducted at Site 3 to confirm the results of the ecological risk assessments and evaluations conducted. The results of the monitoring and completion of this remedial action are described in Section 4 of this report.

Response Actions

The 21 Track 1 sites approved for NFA in the Track 1 ROD are listed below;

- MRS-1 - Flame Thrower Range
- MRS-5 - South of East Garrison
- MRS-6 - Mine and Booby Trap Training Area
- MRS-13A - Practice Mortar Range
- MRS-20 - Recoilless Rifle Training Range
- MRS-22 (Site 3) - Beach Trainfire Ranges
- MRS-24B - Practice Hand Grenade Range
- MRS-24D - Booby Traps

- MRS-24E - Practice Rifle Grenade Range
- MRS-27X - Training Site 24
- MRS-27Y - Training Site 25
- MRS-32A - Oil Well Road Training Area
- MRS-32B - Oil Well Road Training Area II
- MRS-39 - Mine and Booby Trap Area
- MRS-49 - Former Rifle Grenade Range
- MRS-59A - Unnamed
- MRS-62 - Laguna Seca Open Space
- MRS-63 - Canyon Training Area
- MRS-66 - Signal Corps Small Arms
- MRS-69 - Unnamed
- MRS-70 - Unnamed

The following Track 1 Plug-In Approval Memoranda were finalized between 2002 and 2019:

- *Track 1 Plug-In Approval Memorandum, MRS-6 Expansion Area, Former Fort Ord, California (Army, 2005b).*
- *Track 1 Plug-In Approval Memorandum, East Garrison Areas 2 and 4 NE, Former Fort Ord, California (Army, 2006a).*
- *Track 1 Plug-In Approval Memorandum, Multiple Sites, Groups 1 – 5, Former Fort Ord, California (Army, 2006b).*
- *Track 1 Plug-In Approval Memorandum, County North Munitions Response Area, Former Fort Ord, California (Army, 2010).*
- *Track 1 Plug-in Approval Memorandum, BLM-Headquarters and MRS-35, Former Fort Ord, California (Army, 2011a).*
- *Track 1 Plug-in Approval Memorandum, MRS-24A, MRS-24C, and Parcel E20c.1, Former Fort Ord, California (Army, 2011b).*
- *Track 1 Plug-in Approval Memorandum BLM Area A, Former Fort Ord, California (Army, 2012).*
- *Track 1 Plug-in Approval Memorandum BLM Area C, Former Fort Ord, California (Army, 2018).*

Of the approved Track 1 areas, two areas are not included in the partial deletion. They are portions of BLM Area A and BM Area C occupying portions of Parcel F1.1.1 (5,256 acres) and Parcel F1.2 (464 acres). These two parcels also contain portions of a Track 2 site called BLM Area B, for which completion of RAs has not been approved. The two parcels are designated habitat reserve and were transferred to BLM in 1996.

Cleanup Levels

No further action regarding munitions response is required for Track 1 sites.

Operations and Maintenance

No operations or maintenance are necessary for the selected remedy.

The MRS Security Program for the former Fort Ord includes the Army's recommendation for the munitions recognition and safety training program (Army, 2016). Notices regarding the Army's recommendation for munitions recognition and safety training were included in property transfer documents for parcels containing Track 1 MRSs. For properties that had been transferred at the time the Track 1 ROD was signed, owners of those properties were notified about the training program in August 2005.

Statement of Action Complete

The NFA remedy allows for unrestricted use. The Army will continue to offer the munitions recognition and safety training to construction personnel involved in intrusive operations at Track 1 sites. The Army also maintains a program to collect information, and report to the regulatory agencies, about any munitions-related items found within the Track 1 sites. No further action for munitions response is appropriate.

Document References

- MACTEC, 2004. *Final Track 1 Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California*. June 21. AR# OE-0421M
- Army, 2004. *Superfund Proposed Plan, No Further Action is Proposed for Track 1 Sites at Former Fort Ord, California*. September 1. AR# OE-0507
- Army, 2005a. *Record of Decision: No further Action Related to Munitions and Explosives of Concern - Track 1 Sites/ No Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22), Former Fort Ord, California*. March 10. AR# OE-0526
- Army, 2005b. *Track 1 Plug-in Approval Memorandum MRS-6 Expansion Area, Former Fort Ord, Monterey, California*. May 6. AR# OE-0529
- Army, 2006a. *Track 1 Plug-in Approval Memorandum East Garrison Areas 2 and 4 NE, Former Fort Ord, Monterey, California*. March 23. AR# OE-0559A
- Army, 2006b. *Track 1 Plug-in Approval Memorandum Multiple Sites, Groups 1 - 5, Former Fort Ord, California*. July 19. AR# OE-0591H
- Army, 2010. *Final Track 1 Plug-in Approval Memorandum, County North Munitions Response Area, Former Fort Ord, California*. February 16. AR# ESCA-0169A
- Army, 2011a. *Track 1 Plug-in Approval Memorandum BLM-Headquarters and MRS-35, Former Fort Ord, California*. March 24. AR# OE-0740
- Army, 2011b. *Track 1 Plug-in Approval Memorandum MRS-24A, MRS-24C, and Parcel E20c.1, Former Fort Ord, California*. September 30. AR# OE-0741A
- Army, 2012. *Track 1 Plug-In Approval Memorandum BLM Area A, Former Fort Ord, California*. August 21. AR# OE-0780
- Army, 2016. *Munitions Response Site Security Program, Former Fort Ord, California*. March. AR# OE-0422P
- Army, 2018. *Track 1 Plug-In Approval Memorandum, Bureau of Land Management Area C, Former Fort Ord, California*. October 31. AR# OE-0939

Track 2 ROD Parker Flats MRA

Site Background

Record of Decision, Parker Flats Munitions Response Area Track 2 Munitions Response Site, Former Fort Ord, California (Track 2 Parker Flats ROD; Army, 2008), was signed on August 26, 2008. The Parker Flats MRA is approximately 758 acres in size and is located in the central part of the former Fort Ord between the former Fort Ord Main Garrison and the historical Impact Area.

Munitions and explosives of concern removal actions had been completed at the Parker Flats MRA prior to the development of *Final Track 2 Munitions Response Remedial Investigation/Feasibility Study, Parker Flats Munitions Response Area, Former Fort Ord, California* (Track 2 Parker Flats RI/FS; MACTEC, 2006) and the Track 2 Parker Flats ROD. The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

The Parker Flats MRA includes all or portions of 13 MRSs (MRS-3, MRS- 04B, MRS- 13B, MRS-27A, MRS-27B, MRS-27G, MRS-37, MRS-40, MRS-50/50EXP, MRS-52, MRS-53/53EXP, MRS-54EDC, and MRS-55 [including portions of MRS-27A and MRS-27B]), many of which were used for live-fire training (e.g., artillery, mortar) and other training that may have included the use of military munitions. The northern portion of the Parker Flats MRA consists entirely of MRS-13B (Practice Mortar Range), and is separated from the southern portion of the Parker Flats MRA. The southern portion of the Parker Flats MRA includes the remaining MRSs. The 13 MRSs were investigated and MEC removals were completed by the Army's munitions response contractors. The sampling and removal actions were designed to address MEC to depths of four feet bgs; however, all anomalies, even those deeper than four feet bgs, were investigated and resolved, and all detected MEC was removed within the Parker Flats MRA.

The removal actions significantly reduced the risks to human health and the environment. Because detection technologies may not have detected all MEC present and some areas contained barriers (e.g., pavement, buildings) that, while providing protection against MEC potentially present, precluded the use of detection technologies, a future user could encounter MEC. This risk was evaluated as part of the Track 2 Parker Flats RI/FS (MACTEC, 2006).

As part of the RI, the available data (e.g., archival and MEC removal data) regarding the Parker Flats MRA were reviewed and evaluated according to procedures described in *Final Plan for Evaluation of Previous Work, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California* (HLA, 2000b). The evaluation process was documented by completion of a series of checklists.

The project team developed *Fort Ord Ordnance and Explosives Risk Assessment Protocol* (Malcom Pirnie, 2002) to qualitatively estimate the potential explosives safety risks posed by MEC at MRSs at the former Fort Ord. Based on three key factors (MEC Hazard Type, Accessibility, Exposure), "Overall MEC Risk Score" was developed for each area for multiple anticipated receptors that the team assumed would use these areas. The results are described in letters A (lowest) through E (highest). In general, the results of the risk assessment for the Parker Flats MRA indicated that the completed MEC investigation and removal actions decreased the risks for the majority of the receptors evaluated. For the majority of the potential receptors (e.g., trespassers, recreational users, indoor workers, public facility visitors), the Overall MEC Risk Score were estimated to be low (B) or the lowest (A). For the remaining receptors (e.g., construction workers, outdoor maintenance workers, habitat workers) who

conduct ground-disturbing or intrusive activities, Overall MEC Risk Scores were estimated as high (D) or highest (E).

The qualitative Overall MEC Risk Scores were used in the FS to guide the development and evaluation of response alternatives for the Parker Flats MRA during development and for reasonably anticipated future uses.

Under the *Fort Ord Base Reuse Plan* (FORA, 1997), the anticipated future uses of the property included: a veterans' cemetery; an emergency vehicle operations center for Monterey Peninsula College (MPC); habitat reserve; maintenance center for Monterey-Salinas Transit (MST); a park-and-ride; a public facility for Monterey County; an Army maintenance center; and development reserve that could include residential development.

To manage the risk to future land users from MEC that potentially remain in the property, the Army evaluated the following three remedial alternatives for the Parker Flats MRA reuse areas:

- Alternative 1: No Further Action
- Alternative 2: Land Use Controls
- Alternative 3: Additional MEC Remediation.

Subsurface MEC removal was previously conducted in the Parker Flats MRA. The LUCs include munitions recognition and safety training for workers that conduct ground-disturbing or intrusive activities; and construction monitoring for ground-disturbing or intrusive activities to address the possibility that MEC remains in the subsurface. Alternative 2 was identified as the preferred alternative because it would be protective of human health and the environment for future land users, and would be effective in the short-term and long-term at mitigating the risk to workers conducting ground-disturbing or intrusive activities from MEC that is potentially present; would require a moderate level of effort to implement; and would have a comparatively low cost associated with its implementation (MACTEC, 2006).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan, Remedial Action is Proposed for Parker Flats Munitions Response Area, Track 2 Munitions Response Remedial Investigation/Feasibility Study, Former Fort Ord, California* (Army, 2007). A 30-day public comment period was held between February 15 and March 17, 2007. The Army also held a public meeting on March 1, 2007. The public comments were considered prior to remedy selection.

The selected remedy for the Track 2 Parker Flats MRA is LUCs.

The LUCs include:

- (1) Munitions recognition and safety training for workers that will conduct ground disturbing or intrusive activities;
- (2) Construction monitoring during ground disturbing or intrusive activities; and
- (3) Restrictions against residential use.

Based on the RI/FS, the Army's position was that the additional layer of protection in a form of residential use restriction was not necessary for the Parker Flats MRA; however, in consideration of regulatory input, the selected remedy included a LUC prohibiting residential use. For the purpose of the Parker Flats MRA ROD, residential use includes, but not limited to: single family or multi-family residences; childcare facilities; nursing homes or assisted living

facilities; and any type of educational purpose for children or young adults in grades kindergarten through 12. Any proposal for residential development in the Parker Flats MRA will be subject to regulatory review. Per the Fort Ord Base Reuse Plan (FORA, 1997), only the Development Reserve Reuse Area could include residential development as a potential future use.

The Track 2 Parker Flats ROD also provided that, while the Army did not consider California laws and regulations concerning Land Use Covenants to be potential ARARs, after the Parker Flats MRA ROD was signed, the Army would enter into State Land Use Covenants (i.e., covenants to restrict the use of property [CRUPs]) that document the land use restrictions selected as part of the remedy. Although the DTSC and EPA Region IX disagreed with the Army's determination that California laws and regulations concerning Land Use Covenants were not potential ARARs, they agreed to disagree on this issue if the Army would sign State Land Use Covenants acceptable to DTSC. It should be noted that the majority of the Track 2 Parker Flats MRA parcels were subsequently transferred to FORA in 2009 as part of the ESCA, and the Army entered into State CRUPs at the time the property was transferred. After the completion of the implementation of the remedy, DTSC modified the CRUPs to make them consistent with the selected remedy. Following this CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

The LUCs will be maintained until EPA and DTSC concur that the land use may be conducted in a manner protective of human health and the environment without the LUCs. This concurrence may be based on: (1) New information (e.g. limited geophysical mapping, site development); or (2) Where the depth of soil disturbance related to ground disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and any MEC encountered during such activities is removed.

In addition, long-term management measures comprising a federal deed restriction, CRUPs, annual monitoring and reporting, and five-year review reporting are being implemented, or will be implemented upon completion of the land transfer process for two parcels remaining to be transferred (Parcels L2.3 and L2.4.1).

The primary remedial action objectives for the Track 2 Parker Flats MRA reuse areas, based on EPA RI/FS Guidance, are to achieve the EPA's threshold criteria of "Overall Protection of Human Health and the Environment" and "Compliance with ARARs."

The residential use restriction was subsequently removed from the Development Reserve Reuse Area as described in *Explanation of Significant Differences No. 1, Record of Decision, Parker Flats Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California* (ESD; Army, 2018). As part of the FORA's ESCA Remediation Program, FORA conducted an additional evaluation of the designated future residential reuse areas within the ESCA Parker Flats properties to support removal of the residential use restriction component of the LUC remedy. *Final Residential Protocol Implementation Technical Report, Parker Flats Munitions Response Area, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2017) presented the results of the residential quality assurance activities and provided additional documentation to support modifying the existing DTSC CRUPs to remove the residential use restrictions from the designated future residential use portions of the Parker Flats MRA Phase I. The ESD modified the LUC component of the remedy by removing the residential use restriction in the approximately 36 acres that make up the Development Reserve Reuse Area.

Response Actions

The majority of the Track 2 Parker Flats MRA was included in the ESCA program. (FORA classifies this area of the Parker Flats MRA as "Phase I.") The Army implements the selected remedy in the remainder of the MRA (Parcels F2.6, L2.4.1, and L2.3.) The Army prepared *Final Remedial Design/Remedial Action Work Plan, Parker Flats Munitions Response Area, Former Fort Ord, California, Revision 1* (MACTEC/Shaw, 2009) for the implementation of the LUCs for these parcels.

Parcels E19a.5 and L32.1 and portions of Parcels E18.1.1, E18.1.2, E19a.1, E19a.3, and E19a.4 were transferred by the Army to FORA in May 2009 as part of the ESCA (the ESCA Parker Flats MRA Phase I). FORA prepared *Final Remedial Design/Remedial Action, Land Use Controls Implementation, and Operation and Maintenance Plan, Parker Flats Munitions Response Area Phase I, Former Fort Ord, Monterey County, California* (RD/RA LUCI O&M Plan; ESCA RP Team, 2009) for the implementation of the of the selected remedy (LUCs) for these parcels.

Based on the two LUC implementation plans, in a letter dated July 27, 2009 EPA determined that all remedial actions have been implemented and completed at the Track 2 Parker Flats MRA (EPA, 2009).

The residential use restriction in the approximately 36 acres that make up the Development Reserve Reuse Area was removed by the 2018 ESD after Residential Quality Assurance work was implemented.

Cleanup Levels

Subsurface MEC removal had been completed at the Parker Flats MRA prior to the development of the RI/FS. Additional work in the form of Residential Quality Assurance was implemented in future residential reuse areas.

Operations and Maintenance

The entities who would receive property on the former Fort Ord entered into an agreement with DTSC in 2008 titled *Memorandum of Agreement Among the Fort Ord Reuse Authority, Monterey County and Cities of Seaside, Monterey, Del Rey Oaks and Marina, California State University Monterey Bay, University of California Santa Cruz, Monterey Peninsula College, and the Department of Toxic Substances Control Concerning Monitoring and Reporting on Environmental Restrictions on the Former Fort Ord, Monterey County, California* (MOA; DTSC, 2008a). The MOA was finalized on February 27, 2008 and lists the requirements for reporting on the implementation of the LUCs placed on the various parcels at the former Fort Ord.

The LUC remedy is being implemented by the Army and FORA based on their respective LUC implementation plans.

The LUCs (safety measures) continue to be implemented, monitored and reported. The land use restrictions have been incorporated into the deeds to the properties which are recorded with Monterey County. In addition, State CRUPs were recorded with Monterey County. After the completion of the implementation of the remedy, in December 2019 DTSC modified the CRUPs to make them consistent with the selected remedy. U.S. Army Garrison, Presidio of Monterey was notified of the selected remedy and the land use restrictions concerning Parcel F2.6 in 2008.

As required, the Army and FORA submit annual monitoring reports to the regulatory agencies.

Statement of Action Complete

Subsurface MEC removal has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the Track 2 ROD for the Parker Flats MRA have been implemented. No further action for munitions response is appropriate.

Document References

- DTSC, 2008. *Memorandum of Agreement Among the Fort Ord Reuse Authority, Monterey County and Cities of Seaside, Monterey, Del Rey Oaks and Marina, California State University Monterey Bay, University of California Santa Cruz, Monterey Peninsula College, and the Department of Toxic Substances Control Concerning Monitoring and Reporting on Environmental Restrictions on the Former Fort Ord, Monterey County, California.* February 27. AR# OE-0714A
- ESCA RP Team, 2017. *Final Residential Protocol Implementation Technical Report, Parker Flats Munitions Response Area, Former Fort Ord, Monterey County, California.* March 29. AR# ESCA-0311C
- ESCA RP Team, 2009. *Final Remedial Design/Remedial Action, Land Use Controls Implementation, and Operation and Maintenance Plan, Parker Flats Munitions Response Area Phase I, Former Fort Ord, Monterey County, California.* August 4. AR# ESCA-0166
- FORA, 1997. *Fort Ord Base Reuse Plan.*
- HLA, 2000. *Final Plan for Evaluation of Previous Work, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California.* December 4. AR# OE-0283G and AR# OE-0444
- MACTEC, 2006. *Final Track 2 Munitions Response Remedial Investigation/ Feasibility Study, Parker Flats Munitions Response Area, Former Fort Ord, California.* August 31. AR# OE-0523N
- MACTEC/Shaw, 2009. *Final Remedial Design/Remedial Action Work Plan, Parker Flats Munitions Response Area, Former Fort Ord, California, Revision 1.* June 30. AR# OE-0667J
- Malcom-Pirnie, 2002. *Fort Ord Ordnance and Explosives Risk Assessment Protocol.* October. AR# OE-0402G
- Army, 2007. *Superfund Proposed Plan, Remedial Action is Proposed for Parker Flats Munitions Response Area, Track 2 Munitions Response Remedial Investigation/Feasibility Study, Former Fort Ord, California.* February 9. AR# OE-0588C
- Army, 2008. *Record of Decision Parker Flats Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California.* August 26. AR# OE-0661
- Army, 2018. *Explanation of Significant Differences No. 1, Record of Decision, Parker Flats Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California.* May 21. AR# ESCA-0356
- EPA, 2009. *Remedial Action Completion at the Parker Flats Munitions Response Area.* July 27. AR# OE-0667L

Track 2 ROD Del Rey Oaks MRA

Site Background

Record of Decision, Del Rey Oaks Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California (Track 2 Del Rey Oaks ROD; Army, 2008) was signed on October 6, 2008. The Del Rey Oaks MRA consists of approximately 324 acres of land in the southwestern portion of the former Fort Ord. The Del Rey Oaks MRA includes all or portions of three MRSs, identified as MRS-15 DRO 01, MRS-15 DRO 02, and a portion of MRS-43.

The City of Del Rey Oaks and FORA requested early transfer of the property. The Army conducted a munitions response, developed *Finding of Suitability for Early Transfer with CERCLA 120(h)(3) Covenant Deferral, Del Rey Oaks Parcels, Former Fort Ord, California* (FOSET4; Army, 2004), and transferred the property in 2005 under early transfer authority with EPA and the Governor's concurrence.

Final Track 2 Munitions Response Remedial Investigation/ Feasibility Study, Del Rey Oaks Munitions Response Area, Former Fort Ord, California, Revision 1 (Track 2 Del Rey Oaks RI/FS; MACTEC, 2007) was developed after the property was transferred. The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

Portions of the property were used for live-fire training (e.g., artillery, rockets), and other military training that may have included the use of military munitions. The entire area that comprises the Del Rey Oaks MRA was investigated through MEC sampling, and several removal actions were conducted. The individual investigations and removals may have only covered a portion of the Del Rey Oaks MRA; however, after the above actions were completed, the entirety of the Del Rey Oaks MRA was surveyed by one or more geophysical instruments and all detected MEC was removed. The sampling and removal actions were designed to address MEC to depths of four feet bgs; however, all anomalies, even those deeper than four feet bgs, were investigated and resolved, and all detected MEC was removed within the Del Rey Oaks MRA.

The City of Del Rey Oaks and FORA requested early transfer of the property comprising the Del Rey Oaks MRA. The Army conducted a munitions response, developed FOSET4 (Army, 2004), and transferred the property in 2005 under early transfer authority with EPA and the Governor's concurrence. The FOSET stated that the Del Rey Oaks MRA had been cleared of all dangerous and/or explosive material reasonably possible to detect and that no further munitions response actions were recommended (Army, 2004). The Army's assessment indicated that, with the exception of the approximate 2.5-acre Range 26 berm area consisting of 11 MEC removal grids (hereinafter referred to as the "11-Grid Area"), the property could be transferred with no restriction on land use. However, the Army agreed to enter into a State CRUP with DTSC, with which the City of Del Rey Oaks agreed. The CRUP excluded the following types of use for the entire Del Rey Oaks MRA: residential use, day care facilities that do not have measures to prevent contact with soil, schools for persons under 21 years of age, and hospitals (other than veterinary hospitals). Pursuant to an agreement with DTSC, the City of Del Rey Oaks adopted City Ordinance 259, also known as the "Excavation Ordinance," that addresses the potential explosive safety risks posed by MEC, particularly UXO, by requiring permits for certain soil movement or excavation activities. The requirements of the ordinance are codified in the municipal code at Chapter 15.48. The 11-Grid Area (which encompasses portions of Parcels E29a and E29b.1) was transferred with restrictions requiring that the Army provide additional construction support for intrusive activities that penetrate to depths greater than 4 feet bgs.

As part of the RI, the available data (e.g., archival and MEC removal data) regarding the Del Rey Oaks MRA were reviewed and evaluated according to procedures described in *Final Plan for Evaluation of Previous Work, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California* (HLA, 2000). The evaluation process was documented by completion of a series of checklists.

The project team developed “Overall MEC Risk Scores” based on the Fort Ord Ordnance and Explosives Risk Assessment Protocol (Malcom Pirnie, 2002) to qualitatively estimate the potential explosives safety risks for multiple anticipated receptors that the team assumed would use these areas.

In general, the results of the risk assessment for the Del Rey Oaks MRA indicated that the completed MEC investigation and removal actions decreased the overall risks. For the identified reuse-specific receptors (recreational user, indoor worker, outdoor maintenance worker, construction worker, and adult/child resident), Overall MEC Risk Scores were assigned the lowest score (A). Although the risk is scored as an A for all receptors, it is not possible to confirm that all MEC has been removed from the site. It was anticipated that those people who conduct ground disturbing or intrusive activities (e.g., construction workers, outdoor maintenance workers, and residents) would have a greater chance of encountering MEC potentially present than those people who do not conduct such activities.

In particular, review of the RI data indicated that the majority of the high hazard “Type 3” items (37mm projectiles and 2.36-inch rockets) were removed from the northern and southern portions of the Del Rey Oaks MRA. In addition, penetrating projectiles (primarily 75mm Shrapnel, and 37mm), both as MEC and munitions debris (MD), were found primarily in the northern and southern portions of the Del Rey Oaks MRA. Because these items, if encountered and disturbed, may pose the highest hazard, and are more likely to be found in the subsurface, greater uncertainty is associated with the removal in these areas. These data and the qualitative Overall MEC Risk Scores estimated for these receptors were used in the FS to guide the development and evaluation of response alternatives for the Del Rey Oaks MRA.

The anticipated future uses included development of a resort hotel and golf course, and associated infrastructure; residential use in portions of the property; and commercial/retail facilities and offices.

The Army evaluated three remedial alternatives to address risks from MEC that potentially remain in the Del Rey Oaks MRA during development, and in the future during reuse of the area.

- Alternative 1: No Further Action
- Alternative 2: Conditions on Soil Disturbance Activities to Minimize MEC Exposure
- Alternative 3: Conditions on Soil Disturbance Activities to Minimize MEC Exposure and Residential Use Restrictions Including Contingency to Address Proposed Change in Site Reuse.

Subsurface MEC removal was previously conducted in the Del Rey Oaks MRA. The Conditions on Soil Disturbance Activities to Minimize Exposure to MEC included munitions recognition and safety training for workers that conduct ground-disturbing or intrusive activities; construction support in the 11-Grid Area; and site-wide construction support by the City of Del Rey Oaks in compliance with the excavation ordinance.

Alternative 3 was identified as the preferred alternative because it would be protective of human health and the environment for future land users, and would be effective in the short-term and long-term at mitigating the risk to future users conducting ground-disturbing or intrusive activities

from MEC that might still remain at the site; would require a low level of effort to implement; and a moderate level of effort to administer over time; and would be cost effective. In addition, this alternative accommodates the proposed change in reuse by the property owner in a manner that would be acceptable to DTSC (MACTEC, 2007).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan, Remedial Action is Proposed for Del Rey Oaks Group Munitions Response Area, Track 2 Munitions Response Remedial Investigation/Feasibility Study, Former Fort Ord, California* (Army, 2007). A 30-day public comment period began August 31, 2007, and was extended to 60 days at the request of the public, closing on October 30, 2007. The Army also held a public meeting on September 12, 2007. The public comments were considered prior to remedy selection.

Remedial Alternative 3 (Conditions on Soil Disturbance Activities to Minimize MEC Exposure and Residential Use Restrictions including Contingency to Address Proposed Change in Site Reuse) was selected.

The specific components of the selected remedy include:

(1) Munitions Recognition and Safety Training: Reasonable and prudent precautions should be taken when conducting ground-disturbing or intrusive operations. The Army will provide munitions recognition and safety training, upon request, for any person who will be conducting such activities in the Del Rey Oaks MRA. Munitions recognition and safety training is required for people conducting ground-disturbing or intrusive soil disturbance activities within the 11-Grid Area at depths exceeding 4 feet bgs.

(2) Construction Support in the 11-Grid Area: The Army will provide construction support by UXO-qualified personnel within the 11-Grid Area during soil excavation or movement at depths exceeding 4 feet bgs.

(3) Site-Wide Construction Support: Although the Army does not believe that construction support throughout the entire MRA is necessary based on the results of the Del Rey Oaks MRA RI and Risk Assessment, the City of Del Rey Oaks agreed to implement this requirement, at its expense, through establishment and maintenance of a city ordinance. The City of Del Rey Oaks will provide site-wide construction support by UXO-qualified personnel in compliance with the Excavation Ordinance throughout the remainder of the MRA, as defined in the 2004 Agreement between the City of Del Rey Oaks and DTSC ("the Del Rey Oaks – DTSC Agreement"). Under the agreement, construction support is required for activities that disturb more than 10 cy of soil.

(4) Use Restrictions: A residential use restriction was in effect for the Del Rey Oaks MRA when the property was transferred. The restriction will be modified as follows: the residential use restriction for the central portion of the Del Rey Oaks MRA is no longer required; and the residential use restriction for the remainder (northern and southern portions) of the MRA will be modified to allow for residential use, as appropriate, once DTSC has verified that Residential Protocol (DTSC, 2008b) has been successfully implemented. Any proposal for residential development in the Del Rey Oaks MRA where this restriction applies will be subject to regulatory review. For the purpose of the Track 2 Del Rey Oaks ROD and the RD/RA Work Plan, residential use includes, but is not limited to, residences, day care facilities that do not have measures to prevent contact with soil, schools for persons under 21 years of age, and hospitals (other than veterinary hospitals).

The Track 2 Del Rey Oaks ROD provided that, while the Army did not consider California laws and regulations concerning Land Use Covenants to be potential ARARs, the Army had entered

into a State CRUP at the time the property was transferred, and after the Track 2 Del Rey Oaks ROD was signed, the existing covenant would be modified, if appropriate, to document the land use restrictions included in the selected remedy. Although DTSC and EPA Region IX disagreed with the Army's determination that California laws and regulations concerning Land Use Covenants were not potential ARARs, they agreed to disagree on this issue since the Army had executed the State CRUP and agreed that it would be modified, if appropriate, to be consistent with the selected remedy, in a manner acceptable to DTSC.

The Army and the City of Del Rey Oaks will maintain these LUCs until EPA and DTSC concur that the site is protective of human health and environment without construction support and munitions recognition and safety training on the basis of: (1) further site evaluation incorporating new information (e.g. limited geophysical mapping, site development); and/or (2) where, using construction support, it is determined that the depth of soil disturbance related to development activities is sufficient to address the uncertainty of MEC remaining in soil, and any MEC found as part of the development are removed.

The regulatory agencies identified the Residential Protocol as a suitable mechanism to terminate the residential use restriction once DTSC has verified successful implementation of the Residential Protocol, which will confirm that the subject area is suitable for residential use. During development activities by the property owner, initial grading of the top layer of soil would be followed by a geophysical investigation, as described in DTSC's Residential Protocol, to confirm that MEC are not present in those areas. Because residential reuse was not part of the designated use at the time the property was transferred from the Army, any costs associated with changing the reuse by implementing this or any other activity will be the reuser's responsibility.

In addition, Long Term Management Measures considered as implementation and management aspects of the remedial alternatives, rather than as specific mitigation measures, will also be implemented, including the State CRUP, a Federal deed, annual letter reporting, and five-year review reporting.

The primary RAOs for the Del Rey Oaks MRA, based on EPA RI/FS guidance (EPA, 1988), are to achieve the EPA threshold criteria of "Overall Protection of Human Health and the Environment" and "Compliance with ARARs."

Response Actions

Draft Final Remedial Design/Remedial Action Work Plan, Del Rey Oaks Munitions Response Area, Former Fort Ord Del Rey Oaks, California (ARCADIS, 2010) was prepared by the City of Del Rey Oaks as a result of the selection of LUCs as a component of the remedy in accordance with the ROD. The RD/RA Work Plan presents the LUC objectives as described in the ROD and remedy implementation actions to be performed to ensure the LUC objectives are met.

In a letter dated August 20, 2010, EPA determined that all remedial actions have been implemented and completed at the Track 2 Del Rey Oaks MRA (EPA, 2010).

Cleanup Levels

Several response actions resulted in the entirety of the Del Rey Oaks MRA having been surveyed by one or more geophysical instruments and all detected MEC was removed.

Operations and Maintenance

The entities who would receive property on the former Fort Ord entered into an agreement with DTSC concerning monitoring and reporting on environmental restrictions on the former Fort Ord

(DTSC, 2008). The MOA lists the requirements for reporting on the implementation of the LUCs placed on the various parcels at the former Fort Ord.

The LUC remedy is being implemented by the Army and the City of Del Rey Oaks based on the LUC implementation plan. The LUCs (safety measures) continue to be implemented, monitored and reported. The land use restrictions have been incorporated into the deeds to the properties which are recorded with Monterey County. In addition, a State CRUP was recorded with Monterey County. The City of Del Rey Oaks submits annual monitoring reports to the regulatory agencies according to the MOA.

At the time the property was transferred, the Army entered into a State CRUP pending final remedy selection. After the ROD was signed, a partial termination of the CRUP environmental restriction was granted by the DTSC pursuant to a request made by the City of Del Rey Oaks. On September 17, 2012, the City of Del Rey Oaks and DTSC agreed to *Amendment No. 1 and Partial Termination of Covenant to Restrict Use of Property Environmental Restriction* (City of Del Rey Oaks, 2012) to be consistent with the selected remedy. The partial termination applies to 105 acres in the central portion of the Del Rey Oaks MRA. All other provisions of the covenant remain in full force and effect for the remainder of the property.

Statement of Action Complete

Subsurface MEC removal has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the Track 2 Del Rey Oaks ROD have been implemented. No further action for munitions response is appropriate.

Document References

- ARCADIS, 2010. *Draft Final Remedial Design/Remedial Action Work Plan, Del Rey Oaks Munitions Response Area, Former Fort Ord, Del Rey Oaks, California*. July 30. AR# OE-0714A
- City of Del Rey Oaks, 2012. *Amendment No. 1 and Partial Termination of Covenant to Restrict Use of Property Environmental Restriction*.
- DTSC, 2008. *Memorandum of Agreement Among the Fort Ord Reuse Authority, Monterey County and Cities of Seaside, Monterey, Del Rey Oaks and Marina, California State University Monterey Bay, University of California Santa Cruz, Monterey Peninsula College, and the Department of Toxic Substances Control Concerning Monitoring and Reporting on Environmental Restrictions on the Former Fort Ord, Monterey County, California*. November 15. AR# OE-0714A
- HLA, 2000. *Final Plan for Evaluation of Previous Work, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California*. December 4. AR# OE-0283G and AR# OE-0444
- MACTEC, 2007. *Final Track 2 Munitions Response Remedial Investigation/ Feasibility Study, Del Rey Oaks Munitions Response Area, Former Fort Ord, California, Revision 1*. August 22. AR# OE-0615Q
- Malcom-Pirnie, 2002. *Fort Ord Ordnance and Explosives Risk Assessment Protocol*. October. AR# OE-0402G
- Army, 2004. *Finding of Suitability for Early Transfer with CERCLA 120(h)(3) Covenant Deferral, Del Rey Oaks Parcels, Former Fort Ord, California*. July 28. AR# FOSET-003K
- Army, 2007. *Superfund Proposed Plan, Remedial Action is Proposed for Del Rey Oaks Group Munitions Response Area, Track 2 Munitions Response Remedial Investigation/Feasibility Study, Former Fort Ord, California*. August 27. AR# OE-0625

- Army, 2008. *Final Record of Decision, Del Rey Oaks Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California*. November 21. AR# OE-0670
- EPA, 2010. *Remedial Action Completion at the Del Rey Oaks Munitions Response Area*. August 20. AR# OE-0714A.2

Track 2 MRS-34 (FAAF) (NFA)

Site Background

Final Record of Decision, Track 2 Munitions Response Site 34, Former Fritzsche Army Airfield, Former Fort Ord, California (Army, 2015) was signed on September 3, 2015. MRS-34 is a 70.5-acre site located in the northwestern portion of the former Fort Ord north of Reservation Road in the vicinity of what was formerly the FAAF and is now the Marina Municipal Airport.

Removal actions for MEC were performed between 1994 and 1999. The site was transferred as an early transfer to the City of Marina in 2001 for development use. The Army developed *Final Track 2 Munitions Response, Remedial Investigation, Munitions Response Site 34, Fritzsche Army Airfield Area, Former Fort Ord, California* (ITSI, 2012) including a risk assessment, to evaluate and address potential risk to subsequent site users. The subsequent MRS-34 ROD selected NFA regarding munitions response.

Remedial Investigation and Feasibility Study

The site was designated as a development parcel in accordance with *Fort Ord Base Reuse Plan* (FORA, 1997). The site was transferred to the City of Marina in 2001. Parcel L5.1.1 (approximately 60 acres) was transferred as a public benefit conveyance (PBC) through the Federal Aviation Administration. A 12-acre parcel (L5.1.1.1) was transferred as an economic development conveyance (EDC) to FORA for subsequent transfer to the City of Marina. The deeds contain restriction on the use of the properties as follows: "The Property is suitable only for the intended use as resort hotel, golf course, business park, airport support, and related infrastructure modifications. In addition, the following uses as hereinafter described shall be allowed provided that they do not include private landscaping or unsurfaced yard areas: timeshare and vacation club rooms, spa, health, athletic and related facilities, commercial recreation, employee recreational facilities, day care facilities and nurseries, caretaker units, and airport loft living units."

Based on the archives search reports, the area now designated MRS-34 was initially identified in a 1946 Fort Ord Master Plan map as a "Bazooka and Rifle Grenade Practice" range. The duration of these activities is unknown, but subsequent historical maps (1954 and onward) do not indicate the presence of the same range and indicate other uses in the area, including calibration of tank gun sights and driver training, both of which do not include use of munitions. Removal actions for MEC were performed between 1994 and 1999 in which all detected MEC on and below ground surface were removed.

The data evaluation process for MRS-34 was documented by completion of a series of checklists according to procedures described in the *Final Plan for Evaluation of Previous Work* (HLA, 2000). Based on the results of historical literature review, site investigations, and munitions removal actions, the site appears to have been used for anti-tank training and practice rifle grenade training, which included firing of shoulder-launched projectiles, such as practice rifle grenades and 2.36-inch rockets, that occurred in the 1940s and possibly into the 1950s. Expended smoke hand grenades and small arms debris also were identified, indicating training activity for those items also occurred at the site.

Reviews of the available literature, removal results, and equipment performance results indicate that the MRS-34 geophysical investigation successfully detected, excavated, and recovered MEC items, the potential safety hazard has been removed and MEC are not expected to be present at the site.

The risk assessment was performed using the Fort Ord Ordnance and Explosives Risk Assessment Protocol (Malcolm Pirnie, 2002). All receptors evaluated received the Overall MEC Risk Score of A (lowest risk). It should be noted that, because of uncertainties identified in the risk assessment, it is not possible to confirm that all MEC has been removed from the site; therefore it is possible that an intruding receptor (i.e., the outdoor maintenance worker and construction worker) could encounter a MEC item. However, the potential that MEC will be encountered in the future is highly unlikely.

Selected Remedy and Decision Documents

The NFA alternative was presented in *Superfund Proposed Plan, No Further Action is Proposed for Munitions Response Site 34, Track 2 Munitions Response Remedial Investigation, Former Fort Ord, California* (Army, 2013). A 30-day public comment period was held between May 31, 2013 and July 1, 2013. The Army also held a public meeting on June 11, 2013. The public comments were considered prior to remedy selection.

The selected remedy for MRS-34 (FAAF) is NFA.

While not required as part of the remedy, reasonable and prudent precautions should be taken when conducting intrusive operations in this area. Such measures could include training personnel involved in intrusive operations at the former Fort Ord in munitions recognition and safety training to increase their awareness of and ability to identify suspected MEC items.

Should any ordnance-related item be found within any of the areas addressed in the MRS-34 ROD, the Army will take an appropriate immediate action (i.e., removing the found item, recording the incident), and within 90 days of the discovery, submit a plan for appropriate follow-on action to EPA and DTSC for consultation, pursuant to Section 7.7(b) of the Fort Ord FFA.

Response Actions

Subsurface MEC removal had been completed at the MRS-34 prior to the development of the RI. The completed actions support unrestricted use.

Cleanup Levels

No further action regarding munitions response is required for MRS-34.

Operations and Maintenance

No operations or maintenance are necessary for the selected remedy.

The underlying property was transferred to FORA and the City of Marina in 2001 for development use. The Army will modify the deed to be consistent with the selected remedy.

Statement of Action Complete

Subsurface MEC removal has been conducted in the property. No further action related to MEC is necessary to ensure the protection of human health and the environment at MRS-34. No known MEC item is present and MEC is not expected to be present at the site.

Document References

- FORA, 1997. *Fort Ord Base Reuse Plan*.
- HLA, 2000. *Final Plan for Evaluation of Previous Work, Ordnance and Explosives Remedial Investigation/Feasibility Study, Former Fort Ord, California*. December 4. AR# OE-0283G and AR# OE-0444

- Malcom-Pirnie, 2002. *Fort Ord Ordnance and Explosives Risk Assessment Protocol*. October. AR# OE-0402G
- ITSI, 2012. *Final Track 2 Munitions Response, Remedial Investigation, Munitions Response Site 34, Fritzsche Army Airfield Area, Former Fort Ord, California*. September 28. AR# OE-0768B
- Army, 2013. *Superfund Proposed Plan, No Further Action is Proposed for Munitions Response Site 34, Track 2 Munitions Response Remedial Investigation, Former Fort Ord, California*. May 28. AR# OE-0793
- Army, 2015. *Final Record of Decision, Track 2 Munitions Response Site 34, Former Fort Ord, California*. July 29. AR# OE-0866

ESCA Group 1 ROD

Site Background

Record of Decision, Group 1 Seaside and Parker Flats (Phase II) Munitions Response Areas, Former Fort Ord, California (Group 1 ROD; Army 2018) was signed on September 25, 2018.

The ESCA Group 1 Areas include the Seaside MRA and the ESCA Parker Flats MRA (Phase II). The ESCA Parker Flats MRA (Phase I) was included in Track 2 ROD for the Parker Flats MRA (Army, 2008).

The Group 1 MRAs include sites where MEC were encountered and munitions responses (munitions investigation and removal) were conducted. The underlying property was transferred to FORA in 2009 as part of the ESCA. FORA developed *Final Group 1 Remedial Investigation/Feasibility Study, Seaside and Parker Flats (Phase II) Munitions Response Areas, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2017). The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

The Seaside MRA is located in the southwestern portion of the former Fort Ord, bordered by the City of Seaside to the west, the historical impact area to the east, Eucalyptus Road to the north, and Track 2 Del Rey Oaks MRA to the south. The Seaside MRA is wholly contained within the jurisdictional boundaries of the City of Seaside, encompasses approximately 423 acres, and contains the following four Parcels: E23.1, E23.2, E24, and E34.

The Seaside MRA is located within the westernmost part of the 8,000-acre historical impact area. The Seaside MRA contained former firing points and former targets associated with small arms training, non-firing target range training, mortar and anti-tank training, and booby trap training. Based on the Group 1 RI/FS Report, the MRA appears to have been used for various types of training in the vicinity of known firing ranges.

Investigations and removal actions were conducted by the Army as TCRA and a Non-Time-Critical Removal Action (NTCRA). Approximately 35 acres, such as paved areas, were identified as special case areas (SCAs). Under the ESCA, FORA conducted additional removal actions on the SCAs. The anomalies that represented potential MEC were intrusively investigated and removed, except in a few areas where anomalies could not be adequately investigated due to physical obstructions and/or equipment interference. Further evaluation under the Residential Quality Assurance (RQA) process was performed in the designated future residential reuse areas of the Seaside MRA.

The Parker Flats MRA is located in the central portion of the former Fort Ord, bordered by the CSUMB Off-Campus MRA and the County North MRA to the north, and the Interim Action Ranges MRA to the south. The Parker Flats MRA (Phase I and Phase II areas) encompasses approximately 1,172 acres and fully contains Parcels E18.1.1, E18.1.2, E18.1.3, E18.4, E19a.1, E19a.2, E19a.5, E20c.2, E21b.3, L20.18, L23.2, and L32.1, and portions of Parcels E19a.3 and E19a.4. The area completed under the Track 2 Parker Flats ROD was approximately 698 acres (the ESCA Parker Flats MRA Phase I); the remaining approximately 474 acres were included in the Group 1 ROD (the ESCA Parker Flats MRA Phase II.)

The historical use of the Parker Flats MRA Phase II area was predominantly for training maneuvers including the use of practice hand grenades. In addition, a southern portion of the Parker Flats MRA Phase II appears to have been used for practice hand grenade, projectile and mortar training.

Approximately 426 acres of the Parker Flats MRA Phase II were investigated by FORA under the ESCA. A digital geophysical mapping (DGM) survey and target investigation were conducted for the accessible areas of the designated future residential and non-residential development areas; unpaved roads and trails, including 5-foot buffer area within the habitat reserve area. Analog to depth of detection was conducted for areas not accessible to digital geophysical survey for the designated future residential and non-residential development areas. Analog instrument-aided surface and near-surface investigation was conducted for the habitat reserve area. Analog and digital detection instruments were used over the Parker Flats MRA Phase II to locate subsurface anomalies, and detected anomalies representing potential MEC were resolved.

Additionally, DGM survey and target investigation was conducted by FORA under Eucalyptus Road in Parcel E20c.2 and a portion of Eucalyptus Road in Parcel L20.18 during construction support for the Eucalyptus Roadway Extension Corridor project in June 2011.

Further evaluation under the RQA process was performed in the designated residential reuse areas of the ESCA Parker Flats MRA.

Results of the ESCA RQA Process applied at the Seaside MRA and the ESCA Parker Flats MRA were evaluated under the DTSC's *Residential Protocol* (DTSC, 2008). FORA issued Residential Protocol Implementation Technical Reports (ESCA RP Team, 2017b and 2017d) using the data collected during the ESCA RQA Pilot Study and Implementation Study in the designated future residential reuse areas. The reports also supported modifying the existing State CRUPs to remove the residential use restrictions from these portions of the Seaside MRA and the ESCA Parker Flats MRA.

The following three remedial alternatives were developed and evaluated in the Group 1 RI/FS Report (ESCA RP Team, 2017c) to address the risk from MEC for the future land users.

- Alternative 1: No Further Action
- Alternative 2: Land Use Controls; and
- Alternative 3: Additional Subsurface MEC Remediation.

Subsurface MEC removal was previously conducted in the Group 1 MRAs. Alternative 2 (LUCs) included (1) munitions recognition and safety training for people involved in intrusive activities; (2) construction support by UXO-qualified personnel during intrusive activities; (3) access management measures in areas designated for habitat reserve; (4) continuation of the existing residential use restriction in areas designated for non-residential reuse or for habitat reserve; and (5) restrictions against inconsistent uses (applicable to the habitat reserve areas).

Alternative 2 was identified as the preferred alternative because it would be protective of human health for the future land users, and would be effective in the short- and long-term at mitigating the risk to future workers conducting intrusive activities from potentially remaining MEC. This remedial alternative would require a low level of effort to implement, a moderate level of effort to administer over time, and would be cost effective. No ARARs were identified for this alternative; however, LUCs would be implemented in a manner consistent with Federal and State guidance (ESCA RP Team, 2017c).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan: Group 1 Remedial Investigation/Feasibility Study, The Public is Invited to Comment and Attend a Public Meeting on a Proposed Remedial Action for the Seaside and Parker Flats (Phase II) Munitions Response Areas on the Former Fort Ord* (Army, 2017). A 30-day public comment period was

held from September 15, 2017 to October 16, 2017. The Army also held a public meeting on September 27, 2017. The public comments were considered prior to remedy selection.

Remedial Alternative 2 (LUCs) was selected as the remedy to address MEC risks at the Group 1 MRAs. The selected remedy includes LUCs because detection technologies may not have detected all MEC present. The LUCs that will be implemented at the Group 1 MRAs include requirements for:

- (1) military munitions recognition and safety training for workers who will conduct ground-disturbing or intrusive activities;
- (2) construction support to manage the risk associated with the potential presence of military munitions for ground-disturbing or intrusive activities;
- (3) access management measures in areas designated for habitat reserve;
- (4) restrictions prohibiting residential use in areas designated for non-residential development reuse or for habitat reserve; and
- (5) restrictions against inconsistent uses (applicable to the habitat reserve areas).

For the purpose of this decision document, residential use includes: single family or multi-family residences; childcare facilities; playgrounds; hospitals; nursing homes or assisted living facilities; and any type of educational facility for children or young adults in grades kindergarten through 12. Any proposal for residential use in the designated non-residential development reuse or habitat reserve portions of the Group 1 MRAs will be subject to regulatory agency and Army review and approval. The selected remedy will be implemented by FORA in its capacity as Grantee under the ESCA and as a party to the AOC and not in its capacity as the owner of the real estate or as a government entity.

The ESCA Group 1 ROD provided that, while the Army did not consider California laws and regulations concerning CRUPs to be potential ARARs, the Army had entered into CRUPs with the DTSC at the time the property was transferred to FORA. The DTSC would modify the existing CRUPs, as appropriate, to reflect the land use restrictions included in the selected remedy. Although the DTSC and the EPA Region IX disagreed with the Army's determination that California laws and regulations concerning CRUPs were not potential ARARs, they agreed to disagree on this issue since the Army had executed the CRUPs and the DTSC would modify the CRUPs, as appropriate, to be consistent with the identified remedy. After the completion of the implementation of the remedy, DTSC modified the CRUPs to make them consistent with the selected remedy. Following this CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

Each component of the LUCs will remain in place until EPA and DTSC concur that the site is protective of human health and the environment without LUC so as to allow for unrestricted use and exposure. This concurrence may be based on: (1) new information (e.g., limited geophysical mapping, site development); or (2) where the depth of soil disturbance related to ground-disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and military munitions encountered during such activities is removed.

Pursuant to the ESCA, the AOC and the FFA Amendment No.1, FORA assumes full responsibility for completion of necessary CERCLA response actions (except Army Obligations) which include implementing, maintaining, reporting, and enforcing the land use controls.

As part of the LUC implementation strategy, long-term management measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be included for the land use areas within the Group 1 MRAs.

The RAO developed for the protection of human health and the environment for the Group 1 MRAs is to prevent or reduce the potential for the Group 1 MRA reuse receptors to come in direct contact with MEC or other munitions potentially remaining in subsurface and minimize potential impacts from such exposures.

Response Actions

In February 2019 FORA submitted Final Group 1 LUCIP/OMP to provide information on how the remedy selected in the Group 1 ROD (Army, 2018) will be implemented and maintained. The Group 1 LUCIP/OMP presents the LUC objectives as described in the ROD and describes remedy implementation actions to be performed in accordance with the ROD to ensure the LUC objectives are met.

In a letter dated February 28, 2019, EPA determined that all remedial actions have been implemented and completed at the Seaside MRA and the ESCA Parker Flats MRA Phase II (EPA, 2019).

Subsequent to the EPA findings of completion of remedial action for the Group 1 MRAs (Seaside and ESCA Parker Flats Phase II) and for the Track 2 Parker Flats MRA (including the ESCA Parker Flats Phase I), the Group 1 LUCIP was revised ("Revised Final") to incorporate the ESCA Parker Flats MRA Phase I to ease implementation of the LUCs. *Revised Final Group 1 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Seaside and Parker Flats (Phase II) MRAs, Former Fort Ord, Monterey County, California* (Group 1 LUCIP/OMP) was issued by FORA in December 2019 (ESCA RP Team, 2019).

Cleanup Levels

Subsurface MEC removal had been completed at the Group 1 MRAs prior to the development of the RI/FS. Additional work in the form of Residential Quality Assurance was implemented in future residential reuse areas.

Operations and Maintenance

The LUCIP/OMP annual inspections and record review results will be summarized by FORA in an annual LUC status report using a letter report format. MPC, the County, and the City of Seaside have agreed to conduct annual LUC reporting upon property transfer as established in the executed MOA with DTSC and State CRUPs. The existing "MOA with DTSC Annual LUC Report Outline" was expanded to fulfill the requirements of the LUCIP/OMP. Annual LUC monitoring reports cover the period from July 1 to June 30 of each year. FORA or the County of Monterey compiles the annual LUC monitoring reports from individual jurisdictions and submits them to the Army, EPA, and DTSC. The annual LUC status reports are provided to the Army for inclusion in the five-year reviews.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be implemented.

As part of the early transfer of the subject property, the Army entered into State CRUPs with DTSC that documented land use restrictions and that have already been recorded against the deeds. After the completion of the implementation of the remedy, in December 2019 DTSC modified the CRUPs to make them consistent with the selected remedy.

The existing deeds to FORA for the Group 1 MRA parcels include the following land use restrictions: (1) prohibition on residential use; and (2) prohibition on excavation (unless construction support and munitions recognition and safety training, referred to as “MEC recognition and safety training” in the State CRUPs, are provided). The Army will modify the existing land use restrictions in the Federal deeds, as necessary, to reflect the selected remedy.

The deeds and CRUPs have been recorded with Monterey County.

Statement of Action Complete

Removal of MEC has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the ESCA Group 1 ROD for the Seaside MRA and Parker Flats MRA (Phase II) have been implemented. No further action for munitions response is appropriate.

Document References

- ESCA RP Team, 2017a. *Final Group 1 Residential Protocol Implementation Technical Report, Seaside Munitions Response Area, Former Fort Ord, Monterey County, California*. March 29. AR# ESCA-0306C
- ESCA RP Team, 2017b. *Final Residential Protocol Implementation Technical Report, Parker Flats Munitions Response Area, Former Fort Ord, Monterey County, California*. March 29. AR# ESCA-0311C
- ESCA RP Team, 2017c. *Final Group 1 Remedial Investigation/Feasibility Study, Seaside and Parker Flats (Phase II) Munitions Response Areas, Former Fort Ord, Monterey County, California*. May 4. AR# ESCA-0318B
- ESCA RP Team, 2017d. *Final Group 1 Supplemental Residential Protocol Implementation Technical Report, Seaside Munitions Response Area, Former Fort Ord, Monterey County, California*. December 12. AR# ESCA-0342B
- ESCA RP Team, 2019. *Revised Final Group 1 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Seaside and Parker Flats Munitions Response Areas, Former Fort Ord, Monterey County, California*. December 19. AR# ESCA-0361E
- California Department of Toxic Substances Control, 2008. *Residential Protocol*, dated March, 2008. March 18. AR# OE-0637A
- Army, 2017. *Superfund Proposed Plan: Group 1 Remedial Investigation/Feasibility Study, The Public is Invited to Comment and Attend a Public Meeting on a Proposed Remedial Action for the Seaside and Parker Flats (Phase II) Munitions Response Areas on the Former Fort Ord*. September 6. AR# ESCA-0343
- Army, 2018. *Record of Decision, Group 1 Seaside and Parker Flats Phase II Munitions Response Areas, Former Fort Ord, California*. September 25. AR# ESCA-0359
- EPA, 2019. *Remedial Action Completion at Group 1 - Seaside and Parker Flats (Phase II) and Group 4 - Future East Garrison Munitions Response Areas, Former Fort Ord, Monterey County, California*. February 28. AR# ESCA-0370

ESCA Group 2 ROD

Site Background

Record of Decision, Group 2 California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, California (Group 2 ROD; Army, 2015) was signed on February 26, 2015.

The CSUMB Off-Campus MRA is a site where MEC were found and munitions response (MEC removal) actions were conducted. The underlying property was transferred to FORA in 2009 as part of the ESCA. FORA developed *Final Group 2 Remedial Investigation/Feasibility Study, California State University Off-Campus Munitions Response Area, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2013). The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

The CSUMB Off-Campus MRA is located in the north-central portion of the former Fort Ord, bordered by Inter-Garrison Road to the north, the County North MRA to the east and southeast, the Parker Flats MRA to the south, and 8th Avenue to the west. The CSUMB Off-Campus MRA encompasses approximately 332.6 acres and is composed mostly of MRS-31, which includes four smaller MRSs: MRS-04C, MRS-07, MRS-08, and MRS-18. The remainder of the MRA consists of MRS-13C and a portion of MRS-13B.

The MRA included several training areas including: chemical, biological, and radiological (CBR) training (MRS-04C); mine and booby trap training (MRS-07 and MRS-08); practice mortar training (MRS-13B and MRS-13C); minefield practice area (MRS-18); and troop maneuvers, confidence course, and land navigation training (MRS-31). Recovered MEC and MD also indicated that practice hand grenade training and practice rifle grenade training occurred in MRS-31.

Initial sampling was conducted in 1994. Based on sampling results, 3- to 4-foot deep removal actions were conducted within the majority of the MRA from 1994 to 1995 and in 1997. The MEC and MD encountered within the MRA during the previous removal actions were consistent with the documented historical uses. The majority of these items were associated with practice and pyrotechnic munitions. Under the ESCA, FORA conducted an RI for the CSUMB Off-Campus MRA. Further evaluation under the RQA process was performed in the designated future residential reuse area of the CSUMB Off-Campus MRA.

An RQA Pilot Study was conducted by FORA in the approximately 49-acre designated future residential reuse area of the CSUMB Off-Campus MRA as an additional verification and quality assurance of prior MEC investigations and removal actions.

The RQA Pilot Study activities included removal of detected MEC and MD from the designated future residential reuse area to the depth of detection. Based on the RQA Process evaluation, including results of the RQA Pilot Study and RQA Implementation Study, FORA, in consultation with the EPA and DTSC, determined that the designated future residential reuse area in the CSUMB Off-Campus MRA was recommended as acceptable for future residential reuse with appropriate institutional controls, such as applicability of the local Digging and Excavation on the Former Fort Ord Ordinance, future construction support related to munitions, and property transfer disclosures. DTSC had released the Residential Protocol (DTSC, 2008) that, when successfully implemented and approved by DTSC, would provide a basis to remove a State residential CRUP on munitions response sites. FORA issued the *Final Residential Protocol Implementation Report, CSUMB Off-Campus MRA*, in October 2014 (ESCA RP Team, 2014) to provide data and conclusions to support the removal of the residential CRUP on the designated

residential area. The DTSC amended the State CRUP (recorded in June 2016) to indicate that the residential use restriction is applicable only to non-residential reuse areas in the CSUMB Off-Campus MRA. The re-issued State CRUP was recorded with Monterey County.

The following three remedial alternatives were developed and evaluated in the Group 2 RI/FS Report (ESCA RP Team, 2013) to address the risk from MEC for the future land users.

- Alternative 1: No Further Action
- Alternative 2: Land Use Controls; and
- Alternative 3: Additional Subsurface MEC Remediation.

Subsurface MEC removal was previously conducted in the Group 2 MRA. Alternative 2 (LUCs) included (1) munitions recognition and safety training for people involved in intrusive activities; (2) construction support by UXO-qualified personnel during intrusive activities; and (3) restriction prohibiting residential use in the proposed future non-residential reuse area.

Alternative 2 was identified as the preferred alternative because it would be protective of human health for the future land users, and would be effective in the short- and long-term at mitigating the risk to future workers and residents conducting intrusive activities from potentially remaining MEC. This remedial alternative would require a low level of effort to implement, a moderate level of effort to administer over time, and would be cost effective. No ARARs were identified for this alternative; however, LUCs would be implemented in a manner consistent with Federal and State guidance (ESCA RP Team, 2013).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan: Remedial Action is Proposed for California State University Monterey Bay Off-Campus Munitions Response Area, Group 2 Remedial Investigation/Feasibility Study, Former Fort Ord, Monterey County, California* (Army, 2013). A 30-day public comment period was held from June 12, 2013 to July 12, 2013. The Army also held a public meeting on June 19, 2013. The public comments were considered prior to remedy selection.

Remedial Alternative 2 (LUCs) was selected as the remedy to address MEC risks at the CSUMB Off-Campus MRA. The selected remedy includes LUCs because detection technologies may not detect all MEC present. The LUCs include requirements for:

- (1) munitions recognition and safety training for people involved in intrusive activities;
- (2) construction support by UXO-qualified personnel during intrusive activities; and
- (3) restriction prohibiting residential use in the proposed future non-residential reuse area.

For the purpose of this decision document, residential use includes, but is not limited to: single family or multi-family residences; childcare facilities; nursing homes or assisted living facilities; and any type of educational purpose for children or young adults in grades kindergarten through 12 (Army 2007). Any proposal for residential development in the proposed non-residential reuse portion of the CSUMB Off-Campus MRA will be subject to regulatory agency and Army review and approval. The selected remedy will be implemented by FORA in its capacity as Grantee under the ESCA and as a party to the AOC and not in its capacity as the owner of the real estate or as a government entity.

The ESCA Group 2 ROD provided that, while the Army did not consider California laws and regulations concerning CRUPs to be potential ARARs, the Army had entered into a CRUP with the DTSC at the time the property was transferred to FORA. The DTSC would modify the

existing CRUP, as appropriate, to reflect the land use restrictions included in the selected remedy. Although the DTSC and the EPA Region IX disagreed with the Army's determination that California laws and regulations concerning CRUPs were not potential ARARs, they agreed to disagree on this issue since the Army had executed the CRUP and the DTSC would modify the CRUP, as appropriate, to be consistent with the identified remedy. After the completion of the implementation of the remedy, DTSC issued an amended CRUP to make it consistent with the selected remedy. Following the CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

LUCs will be maintained until EPA and DTSC concur that the land use may be conducted in a manner protective of human health and the environment without the LUCs. This concurrence may be based on: (1) new information (e.g., limited geophysical mapping, site development); or (2) where the depth of soil disturbance related to ground-disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and any MEC encountered during such activities is removed.

Pursuant to the ESCA, the AOC and the FFA Amendment No.1, FORA assumes full responsibility for completion of necessary CERCLA response actions (except Army Obligations) which include implementing, maintaining, reporting, and enforcing the land use controls.

As part of the LUC implementation strategy, long-term management measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be included for the land use areas within the Group 2 MRA.

The remedial action objective developed for the protection of human health and the environment for CSUMB Off-Campus MRA is to prevent or reduce the potential for the CSUMB Off-Campus MRA reuse receptors to come in direct contact with MEC items potentially remaining in subsurface soil.

Response Actions

Final Group 2 Land Use Controls Implementation Plan/Operation and Maintenance Plan, California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, Monterey County, California (Group 2 LUCIP/OMP) was issued by FORA in September 2018 (ESCA RP Team, 2018). The purpose of the Group 2 LUCIP/OMP is to provide information on how the remedy selected in the Group 2 ROD (Army, 2015) will be implemented and maintained. The Group 2 LUCIP/OMP presents the LUC objectives as described in the ROD and describes remedy implementation actions to be performed in accordance with the ROD to ensure the LUC objectives are met.

In a letter dated September 27, 2018, EPA determined that all remedial actions have been implemented and completed at the CSUMB Off-Campus MRA (EPA, 2018).

Cleanup Levels

Subsurface MEC removal had been completed at the Group 2 MRA prior to the development of the RI/FS. Additional work in the form of Residential Quality Assurance was implemented in future residential reuse areas.

Operations and Maintenance

The LUCIP/OMP annual inspections and record review results will be summarized by FORA in an annual LUC status report using a letter report format. CSUMB has agreed to conduct annual LUC reporting upon property transfer as established in the executed MOA with DTSC and State

CRUP. The existing “MOA with DTSC Annual LUC Report Outline” was expanded to fulfill the requirements of the LUCIP/OMP. Annual LUC monitoring reports cover the period from July 1 to June 30 of each year. FORA or the County of Monterey compiles the annual LUC monitoring reports from individual jurisdictions and submits them to the Army, EPA, and DTSC. The annual LUC status reports are provided to the Army for inclusion in the five-year reviews.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be implemented.

As part of the early transfer of the subject property, the Army entered into a State CRUP with the DTSC that documented land use restrictions. After the signature of the ROD, DTSC concurred that the Residential Protocol (DTSC 2008) had been successfully and correctly implemented, and issued an amended CRUP in June 2016 to document the land use restrictions included in the identified remedy.

The existing deed to FORA for the CSUMB Off-Campus MRA parcel includes the following land use restrictions: (1) residential use restriction; and (2) excavation restrictions (unless construction support and MEC recognition and safety training are provided). The Army will modify the existing land use restrictions in the federal deed, as necessary, to reflect the selected remedy.

The deeds and CRUPs have been recorded with Monterey County.

Statement of Action Complete

Removal of MEC has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the ESCA Group 2 ROD for the CSUMB Off-Campus MRA have been implemented. No further action for munitions response is appropriate.

Document References

- ESCA RP Team, 2013. *Final Group 2 Remedial Investigation/Feasibility Study, California State University Off-Campus Munitions Response Area, Former Fort Ord, Monterey County, California*. February 18. AR# ESCA-0177E
- ESCA RP Team, 2014. *Final Residential Protocol Implementation Report, California State University Off-Campus Munitions Response Area, Former Fort Ord, Monterey County, California*. October 21. AR# ESCA-0284B
- ESCA RP Team, 2018. *Final Group 2 Land Use Controls Implementation Plan/Operation and Maintenance Plan, California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, Monterey County, California*. September 7. AR# ESCA-0305B
- California Department of Toxic Substances Control, 2008. *Residential Protocol*, dated March, 2008. March 18. AR# OE-0637A
- Army, 2013. *Superfund Proposed Plan: Remedial Action is Proposed for California State University Monterey Bay Off-Campus Munitions Response Area, Group 2 Remedial Investigation/Feasibility Study, Former Fort Ord, Monterey County, California*. June 5. AR# ESCA-0267
- Army, 2015. *Record of Decision, Group 2 California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, California*. February 26. AR# ESCA-0298
- EPA, 2018. *Remedial Action Completion at Interim Action Ranges (IAR), California State University Monterey Bay Off-Campus (Group 2), Del Rey Oaks/Monterey,*

*Laguna Seca Parking, and Military Operations in Urban Terrain Site (Group 3)
Munitions Response Areas, Former Fort Ord, Monterey County, California. September
27. AR# ESCA-0363*

ESCA Group 3 ROD

Site Background

Record of Decision, Group 3 Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, California (Group 3 ROD; Army, 2014) was signed on November 25, 2014.

The ESCA Group 3 Areas include the Del Rey Oaks/Monterey MRA, the Laguna Seca Parking MRA, and the MOUT Site MRA.

The Group 3 MRAs include sites where MEC were found and munitions response (MEC removal) actions were conducted. The underlying property was transferred to FORA in 2009 as part of the ESCA. FORA developed *Final Group 3 Remedial Investigation/Feasibility Study, Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2012). The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

The Del Rey Oaks/Monterey MRA is located in the southwestern portion of the former Fort Ord and encompasses approximately 30 acres of undeveloped land, comprised of two non-contiguous portions of MRS-43 and a portion of the South Boundary Road. Historical records and recovered MEC and MD indicate that MRS-43 was previously used for artillery training with 37mm projectiles.

The MEC removal actions were conducted in portions of the Del Rey Oaks/Monterey MRA. All detected MEC items were removed. Two small portions of the MRA were not subjected to MEC removal actions. SiteStat/GridStat (SS/GS) investigation grids were either located partially within or immediately adjacent to the two areas. No MEC or MD items were recovered from the SS/GS investigation grids located within or immediately adjacent to these two areas. Therefore, it is expected that finding MEC in either of these two areas would not be likely.

The DRO/Monterey MRA is designated for habitat management and business park/light industrial and office/research and development reuse in the *Fort Ord Base Reuse Plan* (FORA, 1997).

The Laguna Seca Parking MRA is located in the south-central portion of the former Fort Ord adjacent to the Laguna Seca Raceway and encompasses approximately 276 acres. The Laguna Seca Parking MRA includes four MRSs: MRS-14A, MRS-29, MRS-30, and MRS-47. Historical records and recovered MEC and MD indicate that these MRSs were previously used for artillery training, mortar training, troop training, and basic maneuvers.

The MEC removal actions completed at the Laguna Seca Parking MRA were designed to address MEC to a depth of 4 feet bgs in MRS-29, MRS-30, MRS-47, and central portion of MRS-14A, and to a depth of 1 foot bgs along the western and eastern slopes of MRS-14A. All anomalies, even those deeper than 4 feet in MRS-29, MRS-30, MRS-47, and central portion of MRS-14A, were investigated with all detected MEC encountered removed within the MRA. MEC removal actions were not completed in two whole and four partial grids in MRS-14A due to terrain-related inaccessibility. Based upon the results of the MEC removal action conducted immediately surrounding these grids, it is not anticipated that MEC items posing a significant risk would remain in the six grids.

The Laguna Seca Parking MRA is designated for open space/recreation reuse in the Base Reuse Plan (FORA, 1997) and development with reserve areas or development with restrictions

in the HMP (USACE, 1997). The northernmost and southernmost portions of the MRA will continue to be used for overflow parking during Laguna Seca Raceway events and includes parking, staging, and event-related roadway access along Barloy Canyon Road and South Boundary Road. The central portion of the MRA, including an open space/recreation reuse area and Highway 68 Bypass right of way, is designated for development with restrictions.

The MOUT Site MRA is located in the central portion of the former Fort Ord within the northeastern portion of the historical impact area and encompasses approximately 58 acres. The MRA consists of MRS-28 (the MOUT training area), which includes a mock city training area currently used for tactical training of military, federal, and local law enforcement and emergency services providers, and a portion of Barloy Canyon Road located along the eastern boundary of the historical impact area. The MRA also includes a portion of Barloy Canyon Road located outside of a MRS boundary.

Historical records and recovered MEC and MD indicate that the MOUT training area (MRS-28) was used for infantry training in an urban setting in addition to hand grenade training, firing point for rocket launcher training, hand-to-hand combat, combat pistol training, assault course, squad tactics, and night defense training. The Barloy Canyon Road portion of the MRA was maintained as a road and the overlapping MRS-270 was used for bivouac, troop maneuvers, and subcaliber artillery training. The visual surface removal and field verification survey conducted in the MOUT Site MRA were designed to address MEC on the ground surface. Grid sampling investigations were also conducted in a small percentage of the MRA. Following an accidental fire in the area, a visual surface TCRA was conducted over the majority of the MOUT Site MRA.

The MOUT Site MRA is designated for school/university reuse in the Base Reuse Plan (FORA, 1997). The MOUT training area is designated as a training facility for tactical/law enforcement training and emergency service provider training by MPC. The roadway parcel, which includes a portion of Barloy Canyon Road, will continue to be used as a roadway.

The following four remedial alternatives were developed and evaluated in the Group 3 RI/FS Report (ESCA RP Team, 2012) to address the risk from MEC for the future land users.

- Alternative 1: No Further Action
- Alternative 2: Land Use Controls;
- Alternative 3: Additional Subsurface MEC Remediation; and
- Alternative 4: Additional Subsurface MEC Remediation in Selected Areas of the MRAs and Land Use Controls.

Removal of MEC has been conducted in the property consistent with the current and future uses. Alternative 2 (LUCs) included (1) munitions recognition and safety training for people involved in intrusive activities; (2) construction support by UXO-qualified personnel during intrusive activities; and (3) restriction prohibiting residential use.

Alternative 2 was identified as the preferred alternative because it would be protective of human health for the future land users, and would be effective in the short- and long-term at mitigating the risk to future workers conducting intrusive activities from potentially remaining MEC. This remedial alternative would require a low level of effort to implement, a moderate level of effort to administer over time, and would be cost effective. No ARARs were identified for this alternative; however, LUCs would be implemented in a manner consistent with Federal and State guidance (ESCA RP Team, 2012).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan: Remedial Action is Proposed for Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Group 3 Remedial Investigation/Feasibility Study, Former Fort Ord, Monterey County, California* (Army, 2013). A 30-day public comment period was held from January 15, 2013 to February 13, 2013. The Army also held a public meeting on January 30, 2013. The public comments were considered prior to remedy selection.

Remedial Alternative 2 (LUCs) was selected as the remedy to address MEC risks at the Group 3 MRAs. The selected remedy for the Group 3 MRAs includes LUCs because detection technologies may not detect all MEC present. The LUCs include requirements for:

- (1) munitions recognition and safety training for those people that conduct ground-disturbing or intrusive activities on the property;
- (2) construction support by UXO-qualified personnel for ground-disturbing or intrusive activities; and
- (3) restrictions prohibiting residential use.

For the purpose of this decision document, residential use includes, but is not limited to: single family or multi-family residences; childcare facilities; nursing homes or assisted living facilities; and any type of educational purpose for children or young adults in grades kindergarten through 12 (Army, 2007). Any proposal for residential development in the Group 3 MRAs will be subject to regulatory agency and Army review and approval; however, per Fort Ord Base Reuse Plan (FORA, 1997), no residential reuse is planned for the Group 3 MRAs. The selected remedy will be implemented by FORA in its capacity as Grantee under the ESCA and as a party to the AOC and not in its capacity as the owner of the real estate or as a government entity.

The ESCA Group 3 ROD provided that, while the Army did not consider California laws and regulations concerning CRUPs to be potential ARARs, the Army had entered into CRUPs with the DTSC at the time the property was transferred to FORA. The DTSC would modify the existing CRUPs, if appropriate, to reflect the land use restrictions included in the selected remedy. Although the DTSC and the EPA Region IX disagreed with the Army's determination that California laws and regulations concerning CRUPs were not potential ARARs, they agreed to disagree on this issue since the Army had executed the CRUPs and the DTSC would modify the CRUPs, if appropriate, to be consistent with the identified remedy. After the completion of the implementation of the remedy, DTSC modified the CRUPs to make them consistent with the selected remedy. Following this CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

LUCs will be maintained until EPA and DTSC concur that the land use may be conducted in a manner protective of human health and the environment without the LUCs. This concurrence may be based on: (1) new information (e.g., limited geophysical mapping, site development); or (2) where the depth of soil disturbance related to ground-disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and any MEC encountered during such activities is removed.

Pursuant to the ESCA, the AOC and the FFA Amendment No.1, FORA assumes full responsibility for completion of necessary CERCLA response actions (except Army Obligations) which include implementing, maintaining, reporting, and enforcing the land use controls.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be included for the land use areas within the Group 3 MRAs.

The remedial action objective developed for the protection of human health and the environment for the Group 3 MRAs is to prevent or reduce the potential for the Group 3 MRA reuse receptors to come in direct contact with MEC items potentially remaining in subsurface soil.

Response Actions

Final Group 3 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, Monterey County, California (Group 3 LUCIP/OMP) was issued by FORA in September 2018 (ESCA RP Team, 2018). The purpose of the Group 3 LUCIP/OMP is to provide information on how the remedy selected in the Group 3 ROD (Army, 2014) will be implemented and maintained. The Group 3 LUCIP/OMP presents the LUC objectives as described in the ROD and describes remedy implementation actions to be performed in accordance with the ROD to ensure the LUC objectives are met.

In a letter dated September 27, 2018, EPA determined that all remedial actions have been implemented and completed at the Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site MRAs (EPA, 2018).

Cleanup Levels

Subsurface MEC removal had been completed at the Group 3 MRAs prior to the development of the RI/FS. The completed actions support the designated reuses of the underlying properties.

Operations and Maintenance

The LUCIP/OMP annual inspections and record review results will be summarized by FORA in an annual LUC status report using a letter report format. MPC, the County, and the Cities have agreed to conduct annual LUC reporting upon property transfer as established in the executed MOA with DTSC and State CRUPs. The existing "MOA with DTSC Annual LUC Report Outline" was expanded to fulfill the requirements of the LUCIP/OMP. Annual LUC monitoring reports cover the period from July 1 to June 30 of each year. FORA or the County of Monterey compiles the annual LUC monitoring reports from individual jurisdictions and submits them to the Army, EPA, and DTSC. The annual LUC status reports are provided to the Army for inclusion in the five-year reviews.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be implemented.

As part of the early transfer of the subject property, the Army entered into State CRUPs with the DTSC that documented land use restrictions. After the completion of the implementation of the remedy, in December 2019 DTSC modified the CRUPs to make them consistent with the selected remedy.

The existing deeds to FORA for the Group 3 MRA parcels include the following land use restrictions: (1) residential use restriction; and (2) excavation restrictions (unless construction support and MEC recognition and safety training are provided). The Army will modify the existing land use restrictions in the federal deeds, as necessary, to reflect the selected remedy.

The deeds and CRUPs have been recorded with Monterey County.

Statement of Action Complete

Removal of MEC has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the ESCA Group 3 ROD for the Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site MRAs have been implemented. No further action for munitions response is appropriate.

Document References

- ESCA RP Team, 2012. *Final Group 3 Remedial Investigation/Feasibility Study, Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, Monterey County, California*. July 31. AR# ESCA-0249B
- ESCA RP Team, 2018. *Final Group 3 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, Monterey County, California*. September 21. AR# ESCA-0301B
- FORA, 1997. *Fort Ord Base Reuse Plan*.
- Army, 2013. *Superfund Proposed Plan: Remedial Action is Proposed for Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Group 3 Remedial Investigation/Feasibility Study, Former Fort Ord, Monterey County, California*. January 11. AR# ESCA-0265
- Army, 2014. *Record of Decision, Group 3 Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, California*. November 25. AR# ESCA-0293
- EPA, 2018. *Remedial Action Completion at Interim Action Ranges (IAR), California State University Monterey Bay Off-Campus (Group 2), Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site (Group 3) Munitions Response Areas, Former Fort Ord, Monterey County, California*. September 27. AR# ESCA-0363

ESCA Group 4 ROD

Site Background

Record of Decision, Group 4 Future East Garrison Munitions Response Area, Former Fort Ord, California (Group 4 ROD; Army, 2018) was signed on September 25, 2018.

The Future East Garrison MRA includes sites where MEC were encountered and at which the Army completed munitions responses (munitions removal). The underlying property was transferred to FORA in 2009 as part of the ESCA. FORA completed RIs and developed *Final Group 4 Remedial Investigation/Feasibility Study, Future East Garrison Munitions Response Area, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2017b). The selected remedy is LUCs.

Remedial Investigation and Feasibility Study

The Future East Garrison MRA encompasses approximately 252 acres and fully contains Parcels E11b.6.1, E11b.7.1.1, E11b.8, and L20.19.1.1. The MRA includes all or portions of four MRSs: MRS-11, MRS-23, MRS-42, and MRS-42 EXP. In addition, small arms range fans extended into the northwestern portion of the MRA. The Future East Garrison MRA includes a former Ammunition Supply Point, Rocket Assembly Building, Office, Warehouses and other associated infrastructure.

Initial use of the Future East Garrison MRA began in approximately 1917 when the U.S. government purchased more than 15,000 acres of land and designated it as an artillery range. Based on the Group 4 RI/FS Report, the site appears to have been used for troop training and maneuvers, rifle grenade training, hand grenade training, engineering and demolition operations/training and pre-WWII training.

The Army performed MEC sampling and removal actions from 1997 to 2005 at MRS-11, MRS-23, MRS-42 and MRS-42 EXP. Additional munitions responses as part of the remedial investigation were conducted by FORA. These munitions responses resulted in completion of subsurface MEC removal over the MRA, with exception of areas with no evidence of munitions use, and under existing roadways, structures, paved and asphalt areas, and fences. Underground utility corridors were left in place.

The ESCA RQA Process was conducted at the approximately 57-acre designated future residential reuse area of the Future East Garrison MRA. Based on the results of the evaluation, FORA, in consultation with the EPA and DTSC, determined that approximately 57 acres of the Future East Garrison MRA designated for residential reuse were recommended as acceptable for residential reuse with appropriate institutional controls, such as applicability of the local Digging and Excavation on the Former Fort Ord Ordinance, future construction support related to munitions, and property transfer disclosures. DTSC had released the *Residential Protocol* (DTSC, 2008) that, when successfully implemented and approved by DTSC, would provide a basis to remove a State residential CRUP on munitions response sites. FORA issued *Final Group 4 Residential Protocol Implementation Technical Report, Future East Garrison Munitions Response Area, Former Fort Ord, Monterey County, California* (ESCA RP Team, 2017a) to provide data and conclusions to support the removal of the residential CRUP on the designated residential area.

The following three remedial alternatives were developed and evaluated in the Group 4 RI/FS Report (ESCA RP Team, 2017b) to address the risk from MEC for the future land users.

- Alternative 1: No Further Action

- Alternative 2: Land Use Controls; and
- Alternative 3: Additional Subsurface MEC Remediation.

Subsurface MEC removal was previously conducted in the Group 4 MRA. Alternative 2 (LUCs) included (1) munitions recognition and safety training for people involved in intrusive activities; (2) construction support by UXO-qualified personnel during intrusive activities; (3) access management measures in areas designated for habitat reserve; (4) continuation of the existing residential use restriction in areas designated for non-residential reuse or for habitat reserve; and (5) restrictions against inconsistent uses (applicable to the habitat reserve areas).

Alternative 2 was identified as the preferred alternative because it would be protective of human health for the future land users, and would be effective in the short- and long-term at mitigating the risk to future workers conducting intrusive activities from potentially remaining MEC. This remedial alternative would require a low level of effort to implement, a moderate level of effort to administer over time, and would be cost effective. No ARARs were identified for this alternative; however, LUCs would be implemented in a manner consistent with Federal and State guidance (ESCA RP Team, 2017b).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan: Group 4 Remedial Investigation/Feasibility Study, The Public is Invited to Comment and Attend a Public Meeting on a Proposed Remedial Action for the Future East Garrison Munitions Response Area on the Former Fort Ord* (Army, 2017). A 30-day public comment period was held from October 4, 2017 to November 2, 2017. The Army also held a public meeting on October 19, 2017. The public comments were considered prior to remedy selection.

Remedial Alternative 2 (LUCs) was selected as the remedy to address MEC risks at the Group 4 MRA. The selected remedy for the Future East Garrison MRA includes LUCs because detection technologies may not have detected every military munition present. The LUCs include requirements for:

- (1) military munitions recognition and safety training for workers who will conduct ground-disturbing or intrusive activities;
- (2) construction support to manage the risk associated with the potential presence of military munitions for ground-disturbing or intrusive activities to address MEC that potentially remain in the subsurface;
- (3) access management measures in areas designated for habitat reserve;
- (4) restrictions prohibiting residential use in areas designated for non-residential development reuse or for habitat reserve; and
- (5) restrictions against inconsistent uses (applicable to the habitat reserve areas).

For the purpose of this decision document, residential use includes: single family or multi-family residences; childcare facilities; playgrounds; hospitals; nursing homes or assisted living facilities; and any type of educational facility for children or young adults in grades kindergarten through 12. Any proposal for residential use in the designated non-residential development reuse or habitat reserve portions of the Future East Garrison MRA will be subject to regulatory agency and Army review and approval. The selected remedy will be implemented by FORA in its capacity as Grantee under the ESCA and as a party to the AOC and not in its capacity as the owner of the real estate or as a government entity.

The ESCA Group 4 ROD provided that, while the Army did not consider California laws and regulations concerning CRUPs to be potential ARARs, the Army had entered into a CRUP with the DTSC at the time the property was transferred to FORA. The DTSC would modify the existing CRUP, as appropriate, to reflect the land use restrictions included in the selected remedy. Although the DTSC and the EPA Region IX disagreed with the Army's determination that California laws and regulations concerning CRUPs were not potential ARARs, they agreed to disagree on this issue since the Army had executed the CRUP and the DTSC would modify the CRUP, as appropriate, to be consistent with the identified remedy. After the completion of the implementation of the remedy, DTSC modified the CRUP to make it consistent with the selected remedy. Following this CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

Each component of the LUCs will remain in place until EPA and DTSC concur that the site is protective of human health and the environment without the LUC so as to allow for unrestricted use and exposure. This concurrence may be based on: (1) new information (e.g., limited geophysical mapping, site development); or (2) where the depth of soil disturbance related to ground-disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and military munitions encountered during such activities is removed.

Pursuant to the ESCA, the AOC and the FFA Amendment No.1, FORA assumes full responsibility for completion of necessary CERCLA response actions (except Army Obligations) which include implementing, maintaining, reporting, and enforcing the land use controls.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be included for the land use areas within the Group 4 MRA.

The RAO developed for the protection of human health and the environment for the Future East Garrison MRA is to prevent or reduce the potential for the Future East Garrison MRA reuse receptors to come in direct contact with MEC or other munitions potentially remaining in subsurface and minimize potential impacts from such exposures.

Response Actions

Final Group 4 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Future East Garrison MRA, Former Fort Ord, Monterey County, California (Group 4 LUCIP/OMP) was issued by FORA in February 2019 (ESCA RP Team, 2019). The purpose of the Group 4 LUCIP/OMP is to provide information on how the remedy selected in the Group 4 ROD (Army, 2018) will be implemented and maintained. The Group 4 LUCIP/OMP presents the LUC objectives as described in the ROD and describes remedy implementation actions to be performed in accordance with the ROD to ensure the LUC objectives are met.

In a letter dated February 28, 2019, EPA determined that all remedial actions have been implemented and completed at the Future East Garrison MRA (EPA, 2019).

Cleanup Levels

Subsurface MEC removal had been completed at the Group 4 MRA prior to the development of the RI/FS. Additional work in the form of Residential Quality Assurance was implemented in future residential reuse areas.

Operations and Maintenance

The LUCIP/OMP annual inspections and record review results will be summarized by FORA in an annual LUC status report using a letter report format. MPC and the County have agreed to conduct annual LUC reporting upon property transfer as established in the executed MOA with DTSC and State CRUPs. The existing “MOA with DTSC Annual LUC Report Outline” was expanded to fulfill the requirements of the LUCIP/OMP. Annual LUC monitoring reports cover the period from July 1 to June 30 of each year. FORA or the County of Monterey compiles the annual LUC monitoring reports from individual jurisdictions and submits them to the Army, EPA, and DTSC. The annual LUC status reports are provided to the Army for inclusion in the five-year reviews.

As part of the LUC implementation strategy, long-term management measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be implemented.

As part of the early transfer of the subject property, the Army entered into a State CRUP with the DTSC that documented land use restrictions. After the completion of the implementation of the remedy, in December 2019 DTSC modified the CRUP to make it consistent with the selected remedy.

The existing deed to FORA for the Future East Garrison MRA parcels includes the following land use restrictions: (1) residential use restriction; and (2) excavation restrictions (unless construction support and military munitions recognition and safety training are provided). The Army will modify the existing land use restrictions in the federal deed, as necessary, to reflect the selected remedy.

The deeds and CRUP have been recorded with Monterey County.

Statement of Action Complete

Removal of MEC has been conducted in the property, which supports the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the ESCA Group 4 ROD for the Future East Garrison MRA have been implemented. No further action for munitions response is appropriate.

Document References

- ESCA RP Team, 2017a. *Final Group 4 Residential Protocol Implementation Technical Report, Future East Garrison Munitions Response Area, Former Fort Ord, Monterey County, California*. June 15. AR# ESCA-0326B
- ESCA RP Team, 2017b. *Final Group 4 Remedial Investigation/Feasibility Study, Future East Garrison Munitions Response Area, Former Fort Ord, Monterey County, California*. June 21. AR# ESCA-0322B
- ESCA RP Team, 2019. *Final Group 4 Land Use Controls Implementation Plan/Operation and Maintenance Plan, Future East Garrison Munitions Response Area, Former Fort Ord, Monterey County, California*. February 22. AR# ESCA-0364B
- Army, 2017. *Superfund Proposed Plan: Group 4 Remedial Investigation/Feasibility Study, The Public is Invited to Comment and Attend a Public Meeting on a Proposed Remedial Action for the Future East Garrison Munitions Response Area on the Former Fort Ord*. September 28. AR# ESCA-0345
- Army, 2018. *Record of Decision, Group 4 Future East Garrison Munitions Response Area, Former Fort Ord, California*. September 25. AR# ESCA-0360

- EPA, 2019. *Remedial Action Completion at Group 1 - Seaside and Parker Flats (Phase II) and Group 4 - Future East Garrison Munitions Response Areas, Former Fort Ord, Monterey County, California*. February 28. AR# ESCA-0370

ESCA Interim Action Ranges MRA ROD

Site Background

Record of Decision, Interim Action Ranges Munitions Response Area, Former Fort Ord, California (Army, 2017) was signed on January 18, 2017. The ESCA Interim Action Ranges MRA ROD addresses approximately 227 acres within the Ranges 43-48 Interim Action site that was transferred to FORA under the ESCA. Under the ESCA, FORA completed the response actions. The underlying property was transferred to FORA in 2009 as part of the ESCA. FORA developed *Final Focused Feasibility Study, Interim Action Ranges Munitions Response Area (IA Ranges MRA FFS; ESCA RP Team, 2015)*. The selected remedy is LUCs.

Of the Interim Action Ranges MRA, Parcel E40 is designated for nonresidential development reuse. The remainder of the area (Parcels E38, E39, E41 and E42) is designated as habitat reserve.

Remedial Investigation and Feasibility Study

The ESCA Interim Action Ranges MRA is located within the northern portion of MRS-Ranges 43-48, where MEC removal was conducted in 2003-2005 as an interim remedial action based on *Record of Decision, Interim Action for Ordnance and Explosives at Ranges 43-48, Range 30A, and Site OE-16, Former Fort Ord, California* (Army, 2002). As part of that action subsurface MEC removal was completed with the exception of special case areas (SCAs) and non-completed areas (NCAs). The northern portion was transferred to FORA in 2009 as part of the ESCA. Subsequently 40mm high explosive projectiles were found on the ground surface in the Range 47 SCA and Range 44 SCA. The discovery of these projectiles indicated a potential for munitions containing sensitive fuzes to remain within the Range 44 and Range 47 SCAs. Therefore, the IA Ranges MRA was evaluated for additional interim actions necessary to meet the objectives of the 2002 Interim Action MR ROD and support a final remedial action decision for the area.

A Design Study and resulting additional remedial actions, referred to by FORA as the “Phase II Interim Action,” at the Interim Action Ranges MRA were completed from February 2011 through March 2013. Approximately 36 acres of SCAs and approximately 9 acres of NCAs within MRS-Ranges 43-48 are located within the boundaries of the Interim Action Ranges MRA. FORA completed the Design Study in Range 44 SCA, Range 47 SCA, and Central Area NCAs, and the interim remedial action in Range 47 SCA. Two additional SCAs (Range 45 Trench SCA and a small portion of the Fenceline SCA) are also located within the Interim Action Ranges MRA; however, these areas did not require any additional MEC removal as part of the Phase II Interim Action.

Other than the Range 45 Trench SCA, subsurface removal had been completed within the designated development parcel (Parcel E40).

The results and findings from the Design Study and Phase II Interim Action were included in the *Final Focused Feasibility Study, Interim Action Ranges Munitions Response Area (IA Ranges MRA FFS; ESCA RP Team, 2015)* to support the final remedial action decision-making process. The following remedial alternatives were evaluated to address the risk from MEC for the future land users.

- Alternative 1: No Further Action
- Alternative 2: Land Use Controls; and
- Alternative 3: Additional Subsurface MEC Remediation.

Removal of MEC has been conducted in the property consistent with the future uses. Alternative 2 (LUCs) included (1) munitions recognition and safety training for people involved in intrusive activities; (2) construction support by UXO-qualified personnel during intrusive activities; and (3) restriction prohibiting residential use.

Alternative 2 was identified as the preferred alternative because it would be protective of human health for the future land users, and would be effective in the short- and long-term at mitigating the risk to future workers conducting intrusive activities from potentially remaining MEC. This remedial alternative would require a low level of effort to implement, a moderate level of effort to administer over time, and would be cost effective. No ARARs were identified for this alternative; however, LUCs would be implemented in a manner consistent with Federal and State guidance (ESCA RP Team, 2015).

Selected Remedy and Decision Documents

The remedial alternatives were presented in *Superfund Proposed Plan: Remedial Action is Proposed for Interim Action Ranges Munitions Response Area, Focused Feasibility Study, Former Fort Ord, Monterey County, California* (Army, 2016). A 30-day public comment period was held from March 16, 2016 to April 14, 2016. The Army also held a public meeting on March 30, 2016. The public comments were considered prior to remedy selection.

Remedial Alternative 2 (LUCs) was selected as the remedy for the IA Ranges MRA. The LUCs include requirements for:

- (1) munitions recognition and safety training for people that will conduct ground-disturbing or intrusive activities,
- (2) construction support for ground-disturbing or intrusive activities to address MEC that potentially remains in the subsurface, and
- (3) restrictions prohibiting residential use.

For the purpose of this decision document, residential use includes, but is not limited to: single family or multi-family residences; childcare facilities; playgrounds; hospitals; nursing homes or assisted living facilities; and any type of educational purpose for children or young adults in grades kindergarten through 12. Any proposal for residential use in the Interim Action Ranges MRA will be subject to regulatory agency and Army review and approval. The selected remedy will be implemented by FORA in its capacity as Grantee under the ESCA and as a party to the AOC and not in its capacity as the owner of the real estate or as a government entity.

The ESCA Interim Action Ranges MRA ROD provided that, while the Army did not consider California laws and regulations concerning CRUPs to be potential ARARs, the Army had entered into a CRUP with the DTSC at the time the property was transferred to FORA. The DTSC would modify the existing CRUP, as appropriate, to reflect the land use restrictions included in the selected remedy. Although the DTSC and the EPA Region IX disagreed with the Army's determination that California laws and regulations concerning CRUPs were not potential ARARs, they agreed to disagree on this issue since the Army had executed the CRUP and the DTSC would modify the CRUP, as appropriate, to be consistent with the identified remedy. After the completion of the implementation of the remedy, DTSC modified the CRUP to make it consistent with the selected remedy. Following this CRUP modification process it became unnecessary for the Army to continue to participate the CRUP process. The remedial land use restrictions are recorded in deeds to the property.

The LUCs restricting land use and requiring construction support and MEC recognition and safety training for intrusive or ground-disturbing activities shall remain in place until EPA and DTSC concur that the site is protective of human health and the environment. This concurrence may be based on: (1) new information (e.g., limited geophysical mapping, site development); or (2) where the depth of soil disturbance related to ground-disturbing or intrusive activities is sufficient to address the uncertainty of MEC remaining in the subsurface and military munitions encountered during such activities is removed.

Pursuant to the ESCA, the AOC and the FFA Amendment No.1, FORA assumes full responsibility for completion of necessary CERCLA response actions (except Army Obligations) which include implementing, maintaining, reporting, and enforcing the land use controls.

As part of the LUC implementation strategy, Long Term Management Measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be included for the land use areas within the Interim Action Ranges MRA.

The remedial action objective developed for the protection of human health and the environment for the Interim Action Ranges MRAs is to prevent or reduce the potential for the Interim Action Ranges MRA reuse receptors to come in direct contact with MEC items potentially remaining in subsurface soil and minimize impacts from such exposures.

Response Actions

Final Land Use Controls Implementation Plan/Operation and Maintenance Plan, Interim Action Ranges MRA, Former Fort Ord, Monterey County, California (IAR MRA LUCIP/OMP) was issued by FORA in August 2018 (ESCA RP Team, 2018). The purpose of the IAR MRA LUCIP/OMP is to provide information on how the remedy selected in the IAR MRA ROD (Army, 2017) will be implemented and maintained. The IAR MRA LUCIP/OMP presents the LUC objectives as described in the ROD and describes remedy implementation actions to be performed in accordance with the ROD to ensure the LUC objectives are met.

In a letter dated September 27, 2018, EPA determined that all remedial actions have been implemented and completed at the Interim Action Ranges MRA (EPA, 2018).

Cleanup Levels

Subsurface MEC removal had been completed at the IAR MRA prior to the development of the Focused FS. The completed actions support the designated uses of the underlying property.

Operations and Maintenance

The LUCIP/OMP annual inspections and record review results will be summarized by FORA in an annual LUC status report using a letter report format. MPC has agreed to conduct annual LUC reporting upon property transfer as established in the executed MOA with DTSC and State CRUP. The existing "MOA with DTSC Annual LUC Report Outline" was expanded to fulfill the requirements of the LUCIP/OMP. Annual LUC monitoring reports cover the period from July 1 to June 30 of each year. FORA or the County of Monterey compiles the annual LUC monitoring reports from individual jurisdictions and submits them to the Army, EPA, and DTSC. The annual LUC status reports are provided to the Army for inclusion in the five-year reviews.

As part of the LUC implementation strategy, long-term management measures comprised of a deed notice and restrictions, annual monitoring and reporting, and five-year review reporting will be implemented.

As part of the early transfer of the subject property, the Army entered into a State CRUP with the DTSC that documented land use restrictions. After the completion of the implementation of the remedy, in December 2019 DTSC modified the CRUP to make it consistent with the selected remedy.

The existing deed to FORA for the Interim Action Ranges MRA parcels includes the following land use restrictions: (1) prohibition on residential use; and (2) prohibition on excavation (unless construction support and munitions recognition and safety training, referred to as “MEC recognition and safety training” in the State CRUP, are provided). The Army will modify the existing land use restrictions in the federal deed, as necessary, to reflect the selected remedy.

The deeds and CRUP have been recorded with Monterey County.

Statement of Action Complete

Removal of MEC has been conducted in the property that support the designated future uses described in the Fort Ord Base Reuse Plan. All response actions required by the ESCA Interim Action Ranges MRA ROD have been implemented. No further action for munitions response is appropriate.

Document References

- ESCA RP Team, 2015. *Final Interim Action Ranges MRA Focused Feasibility Study, Former Fort Ord, Monterey County, California*. October 23. AR# ESCA-0310A
- ESCA RP Team, 2018. *Final Land Use Controls Implementation Plan/Operation and Maintenance Plan, Interim Action Ranges Munitions Response Area, Former Fort Ord, Monterey County, California*. August 8. AR# ESCA-0337B
- Army, 2002. *Record of Decision, Interim Action for Ordnance and Explosives at Ranges 43-48, Range 30A, and Site OE-16, Former Fort Ord, California*. September 26, 2002. AR# OE-0414
- Army, 2016. *Superfund Proposed Plan: Remedial Action is Proposed for Interim Action Ranges Munitions Response Area, Focused Feasibility Study, Former Fort Ord, Monterey County, California*. March 14. AR# ESCA-0323
- Army, 2017. *Record of Decision, Interim Action Ranges Munitions Response Area, Former Fort Ord, California*. January 18. AR# ESCA-0331
- EPA, 2018. *Remedial Action Completion at Interim Action Ranges (IAR), California State University Monterey Bay Off-Campus (Group 2), Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site (Group 3) Munitions Response Areas, Former Fort Ord, Monterey County, California*. September 27. AR# ESCA-0363

6. Five-Year Review History

The Army completed Five-Year Reviews of all in-place cleanup remedies for the Fort Ord Superfund Site in 2002, 2007, 2012, and 2017 as listed below. The initial triggering action for this statutory review is the start of the RA at the OU 2 Landfills on May 17, 1997. The next five-year review will occur in 2022.

- *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California* (Army, 2002b);
- *Final Second Five-Year Review Report, Fort Ord Superfund Site, Monterey, California* (Army, 2007b);
- *Final 3rd Five-Year Review Report for Fort Ord Superfund Site, Monterey County, California* (Army, 2012); and
- *Final 4th Five-Year Review Report for Fort Ord Superfund Site, Monterey County, California* (Army, 2017c).

The 4th Five-Year Review Report included a summary table of HTW sites for which Five-Year Reviews had been discontinued. This table is presented as in Appendix B. Sites where hazardous substances, pollutants, or contaminants remain above levels that allow for unlimited use and unrestricted exposure remain in the program to be evaluated in future Five-Year Reviews.

The Five-Year Review Summary Form from the 4th Five-Year Review Report (Army, 2017c) is provided at Appendix B. No issues were identified for the sites evaluated in the 4th Five-Year Review and included in the partial deletion, and the remedies were deemed protective of human health and the environment.

Progress since the 4th Five-Year Review is summarized below:

- Site 2 and Site 12: The remedy is protective. The remedial activities completed to date (at the time of the 4th Five-Year Review) have adequately addressed all exposure pathways that could result in unacceptable risks in these areas. The soil-gas rebound study is ongoing.
- Site 39: The remedy is protective. The overall remedy is protective of human health and the environment. The 3rd Five-Year Review Report recommended an evaluation of the protectiveness for 17 lead-impacted sites at the former Fort Ord based on a 2007 change in a state benchmark health guidance value. A technical evaluation was performed in 2017 to evaluate the protectiveness at these sites. While all 17 lead-impacted sites were found to be protective, the long-term protectiveness at sites HA-18D and HA-23D for potential future residential development was being further evaluated (at the time of the 4th Five-Year Review). The final lead evaluation is documented in *Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California* (KEMRON, 2019).
- OUCTP: At the time of the 4th Five-Year Review, the remedy at OUCTP was expected to be protective of human health and the environment upon completion. The groundwater remedy has since been determined to be in place and operating as described in *Final Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2017 through Third Quarter 2018 Groundwater Monitoring Report, Former Fort Ord, California* (Ahtna, 2019).

- Early Transfer Property. At the time of the 4th Five-Year Review, the remedy selection process was not complete for the ESCA Group 1 and Group 4 MRAs. The remedy selection process for the Early Transfer Property was completed in September 2018. FORA has completed the initial implementation of the selected remedies (LUCs). EPA certified the completion of the remedial actions in February 2019. Further, on the basis of *Site-Wide Remedial Action Completion Report, FORA Environmental Services Cooperative Agreement (ESCA) Remediation Program, Former Fort Ord, California* (FORA, 2020), on April 14, 2020, EPA determined that the remedial action has been completed site-wide in accordance with the AOC (EPA, 2020).

The next Five-Year Review is scheduled to be completed by September 2022.

7. Community Involvement

The Army is authorized and responsible to conduct community relations activities as part of the environmental cleanup of the former Fort Ord. The overall goal of the Fort Ord Community Relations Program is to promote two-way communications between community members and the Fort Ord BCT. Over the years, the community relations plan has been updated as the cleanup projects progressed and community interests evolved. The community relations activities are currently guided by *Final Community Relations Plan Updated Number 4, Former Fort Ord, California* (Army, 2013). The community relations program described in this plan is informed by community member interests and concerns. The Army conducts community surveys every two years. Based on community input, regulatory requirements, and applicable guidance, the community relations program includes:

- Providing tours, Community Involvement Workshops, Technical Review Committee meetings, and presentations to local community organizations;
- Providing safety and human health alerts;
- Sustaining community member participation in the cleanup process;
- Maintaining the established Administrative Record and Information Repositories that house documents for the environmental cleanup program;
- Managing an environmental cleanup web site, and distributing of the Annual Report, fact sheets, and other community information materials.

Members of the public may review the documents contained in the Administrative Record on-site or on-line. The Administrative Record documents are physically located in the BRAC Office, Building 4463 Gigling Road, Ord Military Community (former Fort Ord). Most Administrative Record documents are also accessible online at fortordcleanup.com using the Administrative Record search tool. The Administrative Record Coordinator is available at 831-393-9693 to assist regulatory agency representatives and public members in locating records.

In addition, the Fort Ord BRAC Office administers the Fort Ord environmental cleanup website (fortordcleanup.com). This public website provides background information, a description of current activities, documents available for public comment, maps, notices, Community Involvement Workshop agendas and summaries, the Administrative Record search tool, and documents and references for further cleanup and environmental information through Army, EPA, DTSC, RWQCB, and related agency websites.

Community involvement activities specifically planned for the partial deletion include:

- A fact sheet explaining the partial deletion and inviting the community to provide comments during the upcoming public comment period.
- A newspaper notice of the upcoming public comment period and how to provide comments.
- A responsiveness summary if warranted.
- A newspaper notice of the completed partial deletion.

8. Determination that the Criteria for Deletion Have Been Met

Parcels identified for partial deletion are listed in Table 2 and shown in Figure 2. The implemented remedies achieve the degree of cleanup or protection specified in the RODs for the deletion parcels. No further CERCLA response is needed for the deletion parcels to protect human health and the environment.

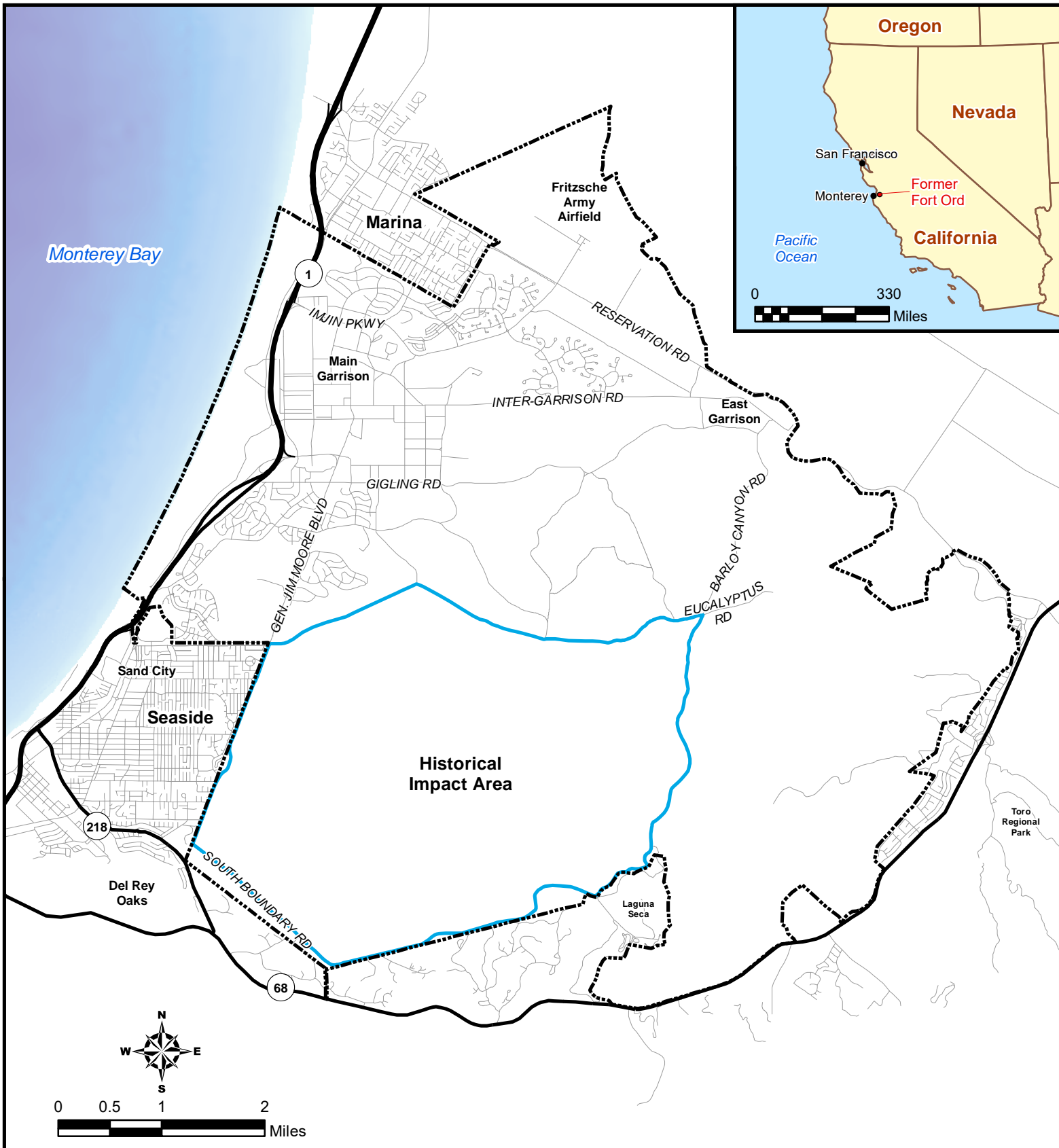
9. Document References

- Ahtna Environmental, Inc., 2019. *Final Operable Unit Carbon Tetrachloride Plume Fourth Quarter 2017 through Third Quarter 2018 Groundwater Monitoring Report, Former Fort Ord, California*. August 2. AR# OUCTP-0085B
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- FORA, 2020. *Site-Wide Remedial Action Completion Report, FORA Environmental Services Cooperative Agreement (ESCA) Remediation Program, Former Fort Ord, California*. March 19. AR# ESCA-0383
- Harding ESE, 2002. *Draft Final Field Investigation and Data Review, Solid Waste Management Units, Fort Ord, California*. July 30. AR# BW-1496A
- Harding Lawson Associates (HLA), 1995. *Final Basewide Remedial Investigation/Feasibility Study, Fort Ord, California*. October. AR# BW-1283A
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- KEMRON, 2019. *Revised Final Technical Memorandum, Evaluation of Lead Concentrations at Selected Sites, Former Fort Ord, California*. January 4. AR# BW-2674C
- U.S. Army Corps of Engineers (USACE), 1997. *Installation-Wide Multispecies Habitat Management Plan for Fort Ord, California*. April. AR# BW-1787
- USACE, 2000. *Draft Final Ordnance and Explosives Remedial Investigation/Feasibility Study Work Plan, Former Fort Ord, Monterey County, California*. May. AR# OE-0233M
- U.S. Department of the Army (Army), 1994a. *Interim Action Record of Decision, Contaminated Surface Soil Remediation, Fort Ord, Monterey, California*. March 15. AR# IAFS-089
- Army, 1994b. *Record of Decision Operable Unit 2, Fort Ord Landfills, Fort Ord, California*. July 15. AR# OU2-480
- Army, 1995a. *No Action Plug-In Record of Decision, Fort Ord, California*. February 16. AR# BW-0984
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- Army, 2002a. *Final Record of Decision No Action Regarding Ordnance-Related Investigation, Former Fort Ord, California (Track 0)*. June 19. AR# OE-0406
- Army, 2002b. *Draft Final Five-Year Review Report, First Five-Year Review Report for Fort Ord Superfund Site, Monterey, California*. September 4. AR# BW-2167G
- Army, 2005. *Record of Decision: No further Action Related to Munitions and Explosives of Concern - Track 1 Sites/ No Remedial Action with Monitoring for Ecological Risks from Chemical Contamination at Site 3 (MRS-22), Former Fort Ord, California*. March 10. AR# OE-0526



- Army, 2007a. *Environmental Services Cooperative Agreement (ESCA) under the authority of Title 10 United States Code, Section 2701(d) - Environmental Restoration Program (10 U.S.C. 2701)*. March 30. AR# ESCA-0031
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- Army, 2007c. *Record of Decision Operable Unit Carbon Tetrachloride Plume, Former Fort Ord California*. November. AR# OUCTP-0021D
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- Army, 2008b. *Record of Decision Parker Flats Munitions Response Area, Track 2 Munitions Response Site, Former Fort Ord, California*. August 26. AR# OE-0661
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- Army, 2013. *Final Community Relations Plan Updated Number 4, Former Fort Ord, California*. November 20. AR# BW-2617A
- Army, 2014. *Record of Decision, Group 3 Del Rey Oaks/Monterey, Laguna Seca Parking, and Military Operations in Urban Terrain Site Munitions Response Areas, Former Fort Ord, California*. November 25. AR# ESCA-0293
- Army, 2015a. *Record of Decision, Group 2 California State University Monterey Bay Off-Campus Munitions Response Area, Former Fort Ord, California*. February 26. AR# ESCA-0298
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- EPA, U.S. Department of Justice, California Department of Toxic Substances Control, and Fort Ord Reuse Authority, 2008. *Administrative Order on Consent (AOC) for Cleanup of Portions of the Former Fort Ord, U.S. EPA Region 9, CERCLA Docket No. R9-2007-03*. Effective July 25, 2008. AR# ESCA-0099

Figures



Legend

-  Former Fort Ord Boundary
-  Historical Impact Area

SITE LOCATION MAP

Former Fort Ord
Monterey, CA

FILE:
RASR_2019_01.mxd

PRINT DATE:
11/25/2019

DRAWN BY:
AK

Figure 1

DATA SOURCE:
Fort Ord BRAC

**Remedial Action
Summary Report
Fort Ord
Date: 5/15/2020**

LEGEND

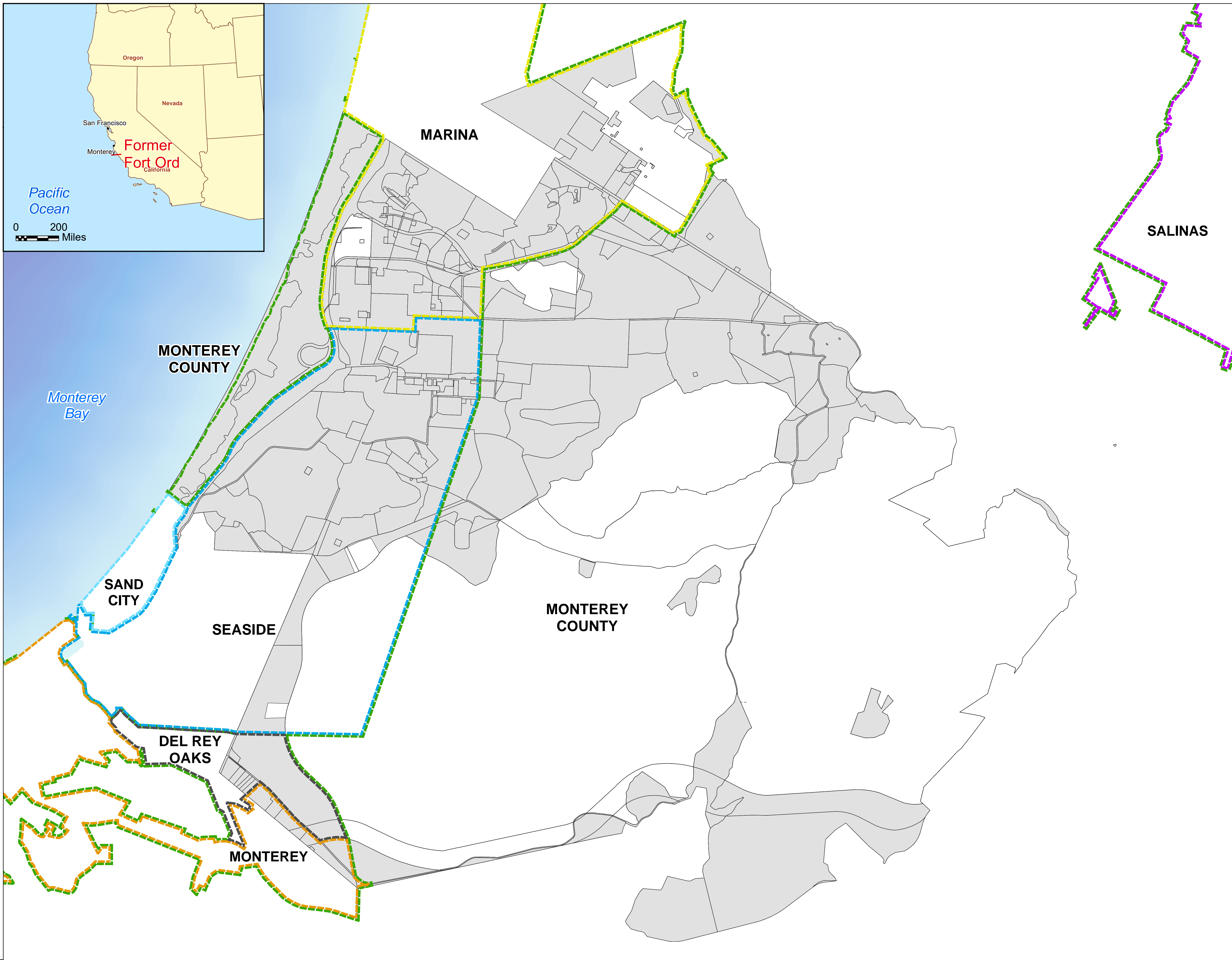
- Army Corps of Engineers Parcels
- NPL Deletion Parcels - 13,394 Acres
- Parcels that Remain on NPL

Fort Ord Jurisdictions

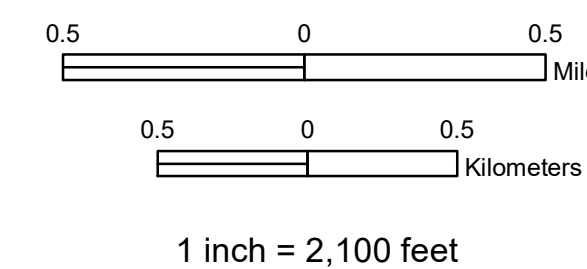
- ▭ DEL REY OAKS
- ▭ MARINA
- ▭ MONTEREY
- ▭ SALINAS
- ▭ SAND CITY
- ▭ SEASIDE
- ▭ MONTEREY COUNTY

NOTES

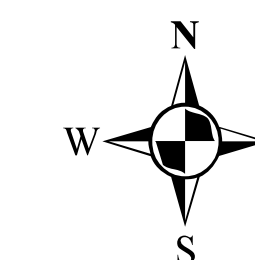
- University jurisdictions are not shown.



**Figure 2
NPL Deletion
Parcels**



U.S. ARMY CORPS
OF ENGINEERS



**FORMER FORT ORD
MONTEREY, CALIFORNIA**

DATA SOURCE: Fort Ord BRAC	PRINT DATE: 5/15/2020
FILE: RASR_2020_2.mxd	DRAWN BY: AK

**Remedial Action
Summary Report
Fort Ord
Date: 5/15/2020**

- LEGEND**
- Army Corps of Engineers Parcels
 - NPL Deletion Parcels - 13,394 Acres
- Parcels that Remain on NPL**
- OU2 Landfills Parcels - 147 Acres
 - Site 39 Habitat Areas and/or Track 3 Impact Area MRA - 6,784 Acres
 - HA-18D and HA-23D - 59 Acres
 - Includes PFAS Soil Investigation Areas - 660 acres
 - Includes Sites 2/12 Soil-Gas Investigation Area - 74 Acres
- F1.1.1 - 4,943 Acres**
- Track 1 - 4,801 Acres
 - BLM Area B B-5 and B-6 - 142 Acres
- F1.2 - 1,191 Acres**
- Track 1 - 464 Acres
 - BLM Area B B-3E, B-3E-NE, Unit C, Unit A - 727 Acres
- F1.3 - 807 Acres**
- MRS-16 and BLM Area B B-3W, B-2A, B-2, B-4, Unit B

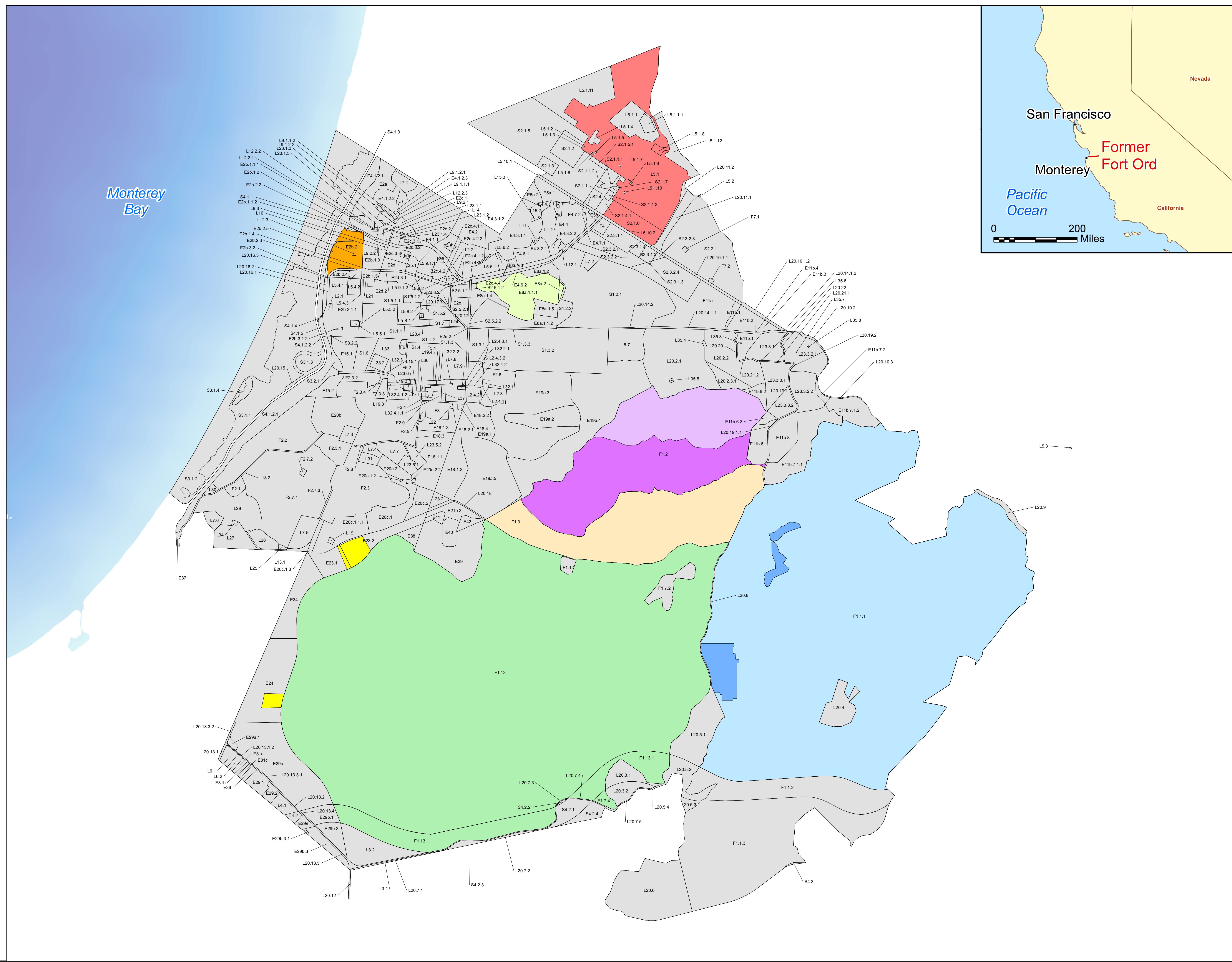
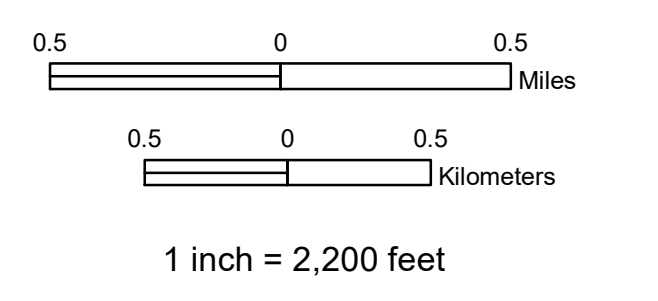


Figure 2a

**NPL Deletion Parcels
and Parcels that
Remain on NPL**



**FORMER FORT ORD
MONTEREY, CALIFORNIA**

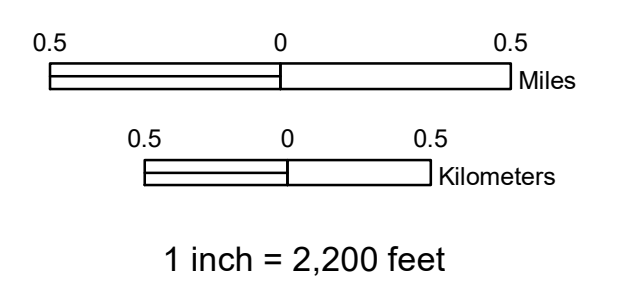
DATA SOURCE: Fort Ord BRAC	PRINT DATE: 5/15/2020
FILE: RASR_2020_2a.mxd	DRAWN BY: AK

**Remedial Action
Summary Report
Fort Ord
Date: 6/30/2020**

- LEGEND**
- Army Corps of Engineers Parcels
 - NPL Deletion Parcels - 13,394 Acres
 - Parcels that Remain on NPL
 - ▭ HTW Sites Proposed to be Deleted
 - ▭ HTW Sites Not Proposed to be Deleted
 - Site 39 Development Area
 - Historical Areas

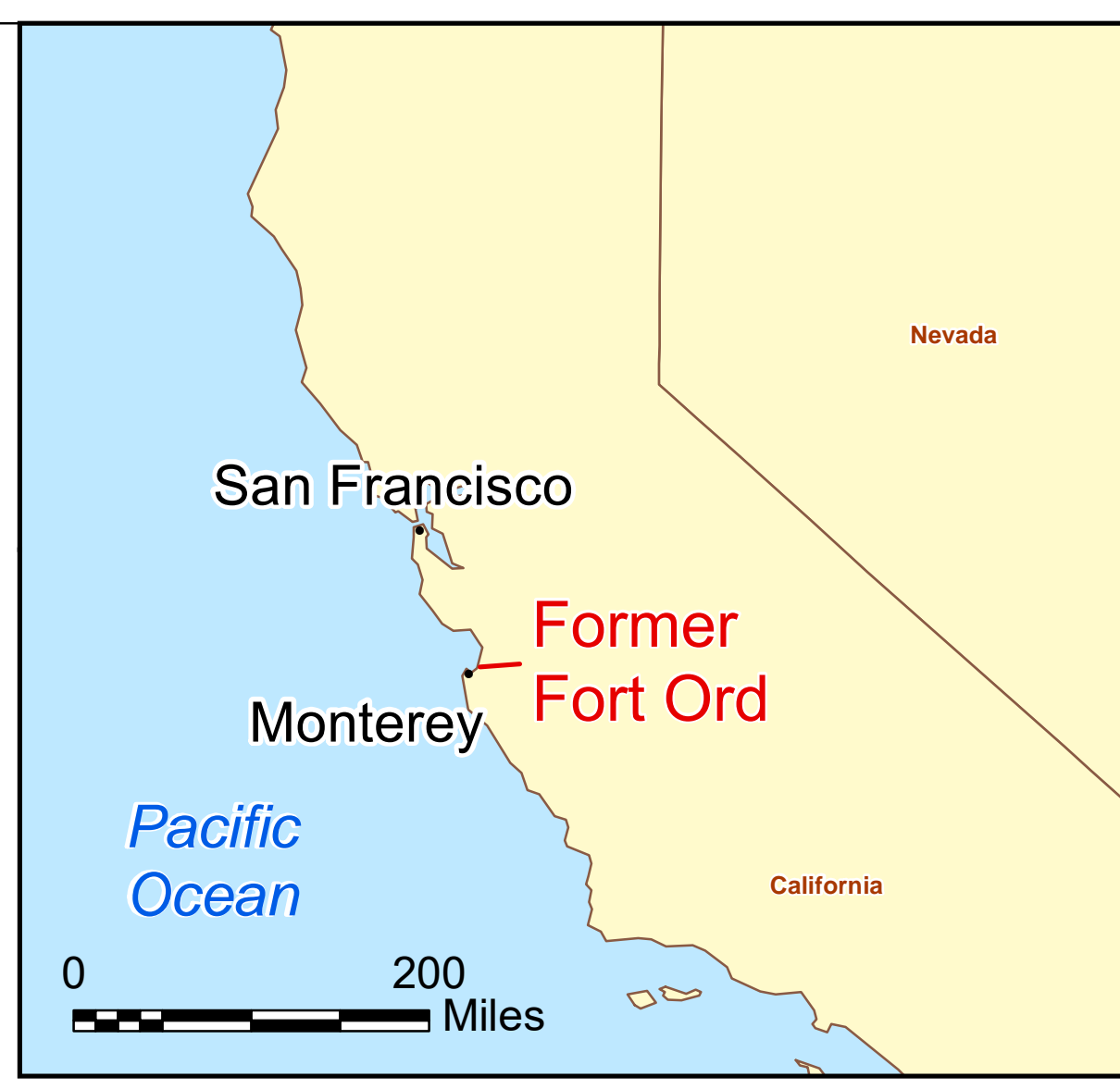
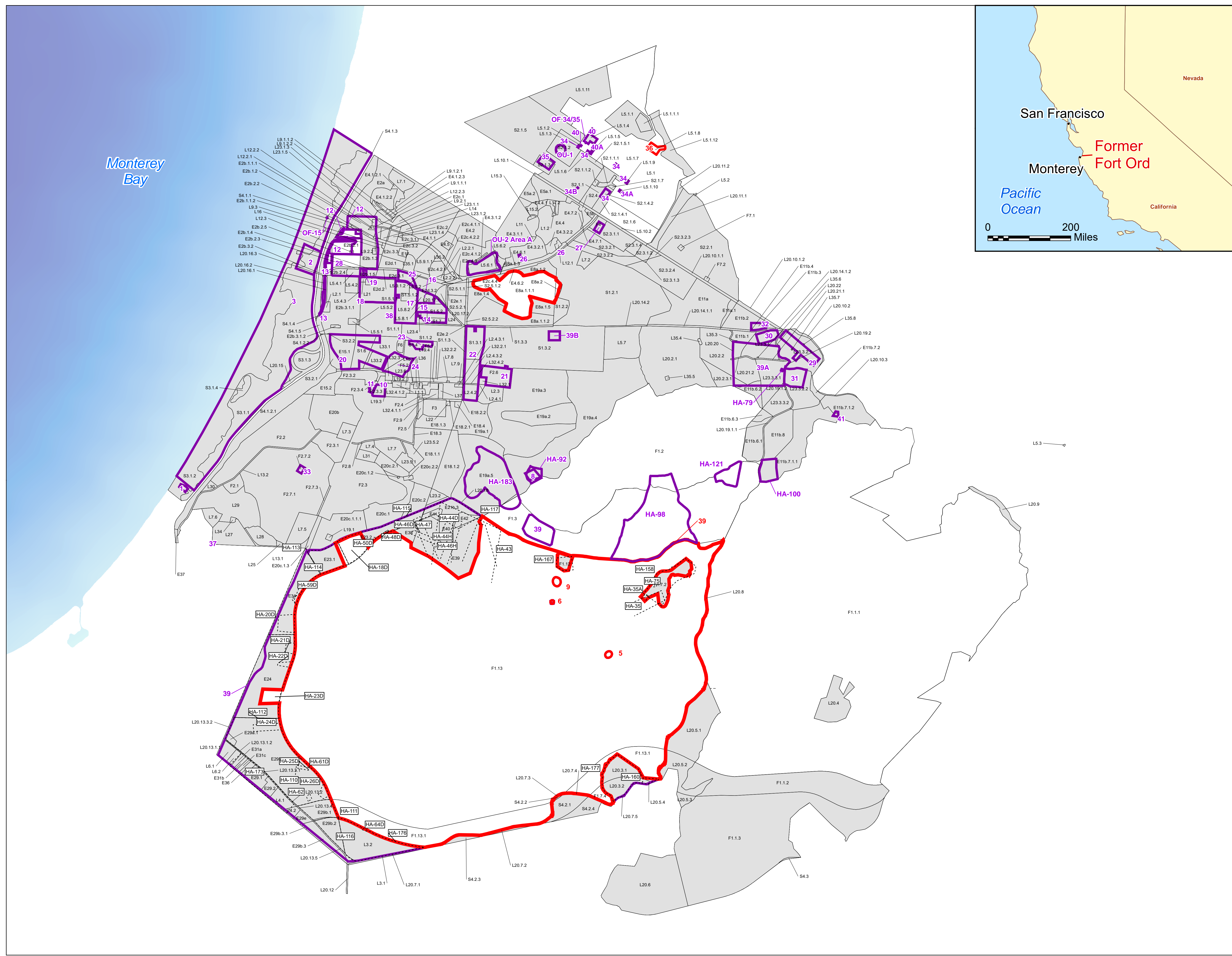
- NOTES**
- Site 4 Beach Stormwater Outfalls comprise of a total of 7 outfall locations in parcels S3.1.1 and S3.1.2. Outfall locations are not shown.
 - Site 39 development parcels are NPL deletion parcels except HA-18D and HA-23D
 - Areas where additional soil sampling is planned as part of PFAS investigation remain on NPL.
 - Sites 2/12: The soil gas investigation area remains on NPL.
 - Groundwater remedies are not being considered for partial deletion at this time. Groundwater plumes are not shown.

**Figure 3
HTW Sites**

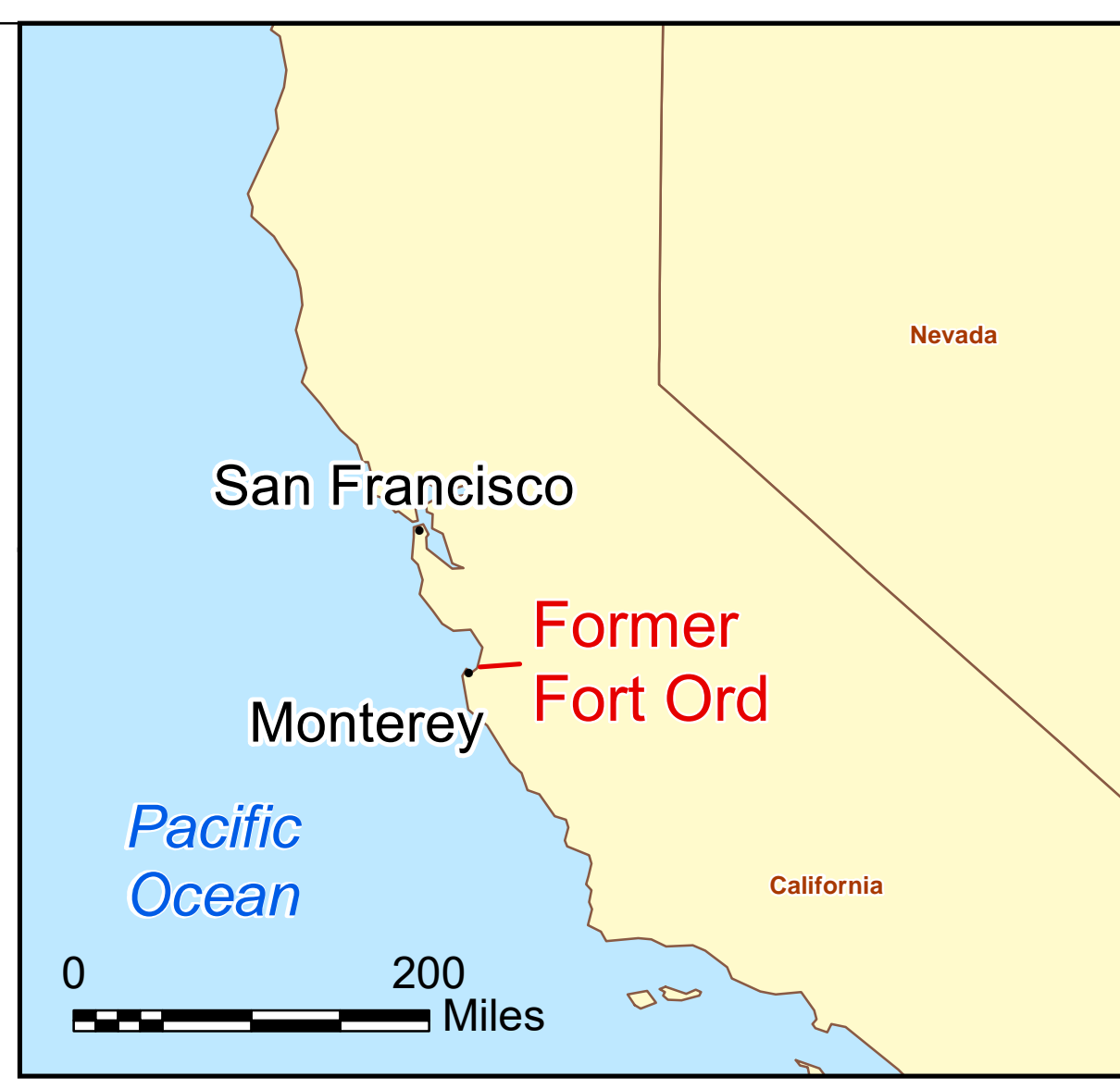


**FORMER FORT ORD
MONTEREY, CALIFORNIA**

DATA SOURCE: Fort Ord BRAC	PRINT DATE: 6/30/2020
FILE: RASR_2020_3.mxd	DRAWN BY: AK



Monterey Bay

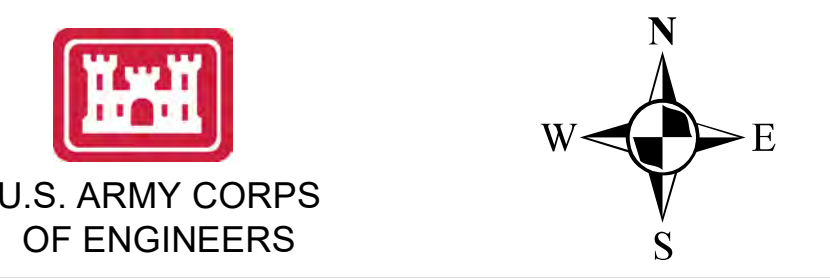
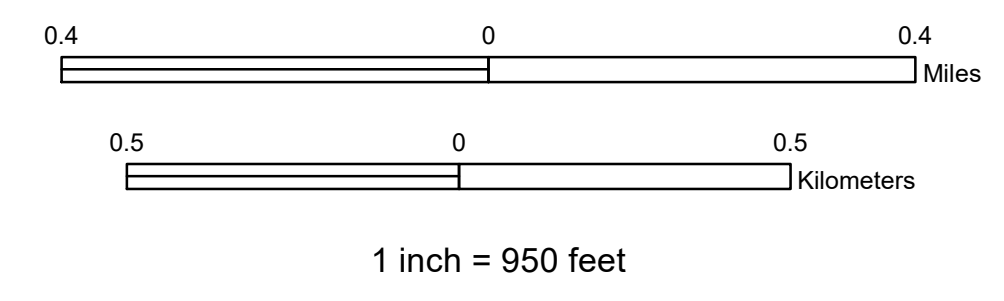


Remedial Action Summary Report Fort Ord Date: 5/8/2020

- LEGEND**
- Army Corps of Engineers Parcels
 - NPL Deletion Parcels - 13,394 Acres
 - Parcels that Remain on NPL
 - ▭ HTW Sites to be Deleted
 - ▭ HTW Sites to Remain on NPL

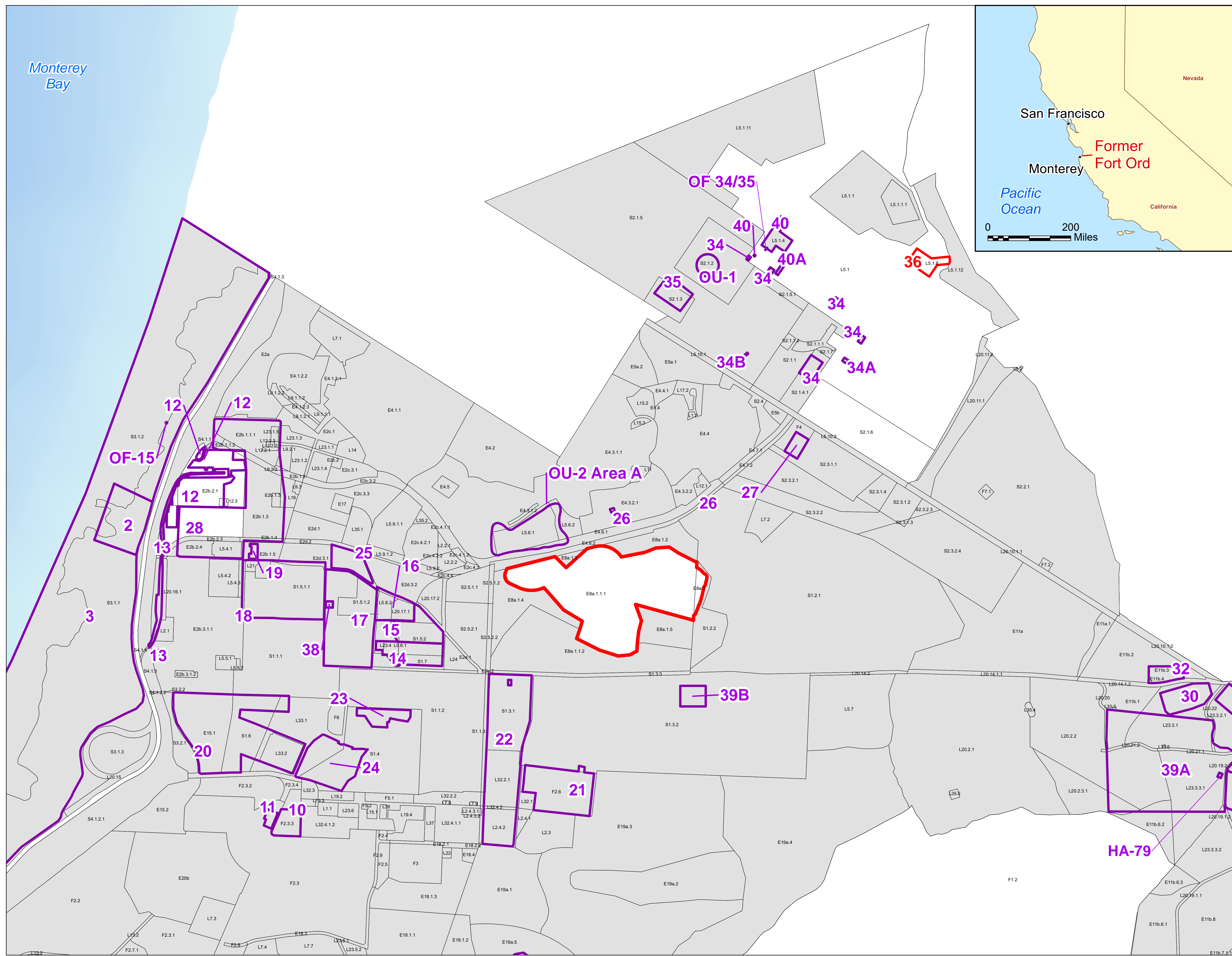
- NOTES**
- Site 4 Beach Stormwater Outfalls comprise of a total of 7 outfall locations in parcels S3.1.1 and S3.1.2. Outfall locations are not shown.
 - Site 39 development parcels are NPL deletion parcels except HA-18D and HA-23D
 - Areas where additional soil sampling is planned as part of PFAS investigation remain on NPL.
 - Sites 2/12: The soil gas investigation area remains on NPL.
 - Groundwater remedies are not being considered for partial deletion at this time. Groundwater plumes are not shown.

Figure 3a HTW Sites - Northern Sites



**FORMER FORT ORD
MONTEREY, CALIFORNIA**

DATA SOURCE: Fort Ord BRAC	PRINT DATE: 5/8/2020
FILE: RASR_2020_3a.mxd	DRAWN BY: AK



**Remedial Action
Summary Report
Fort Ord
Date: 6/30/2020**

LEGEND

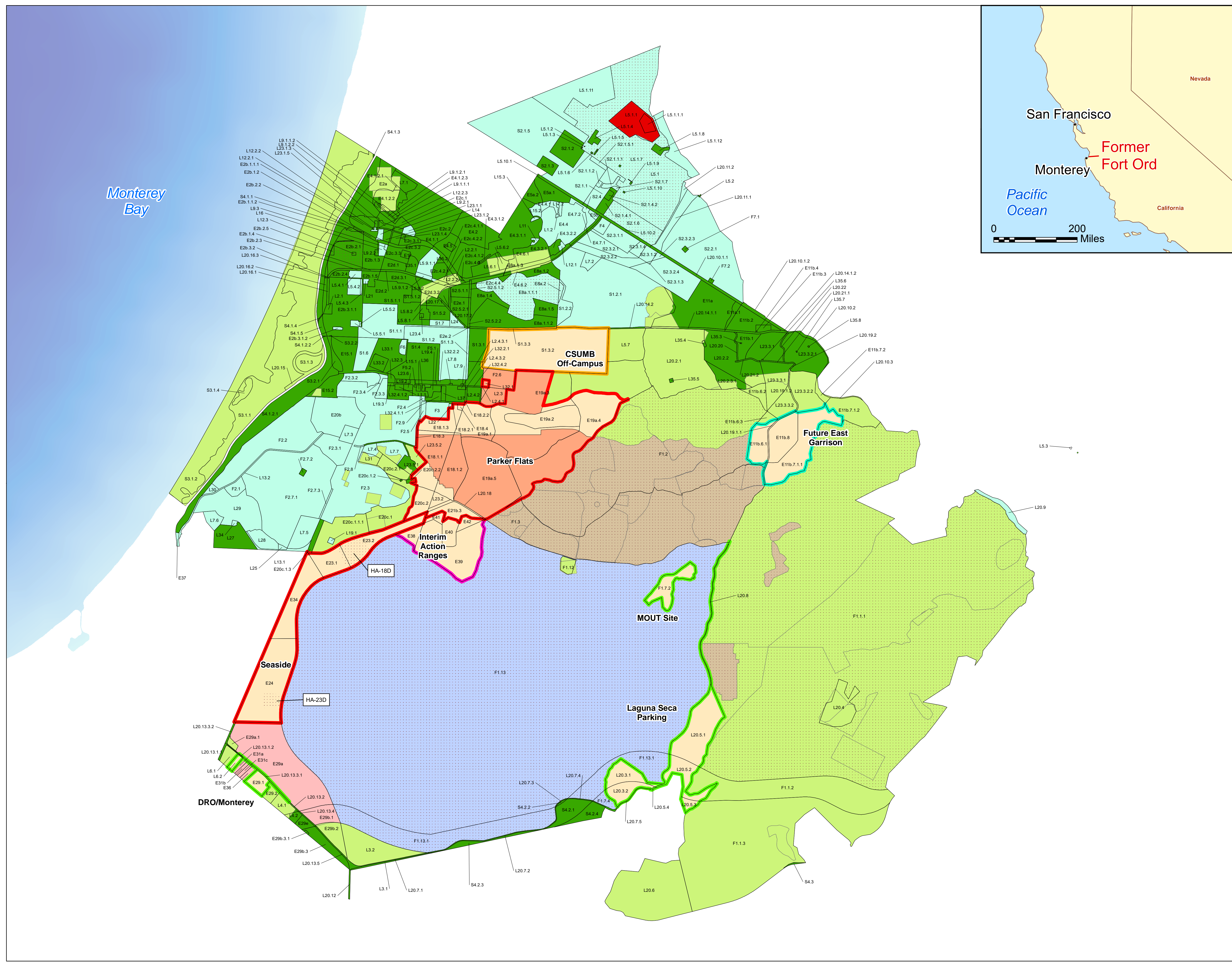
- Army Corps of Engineers Parcels
- ▨ Parcels that Remain on NPL
- *No Hatch NPL Deletion Parcels - 13,394 Acres

TRACKS

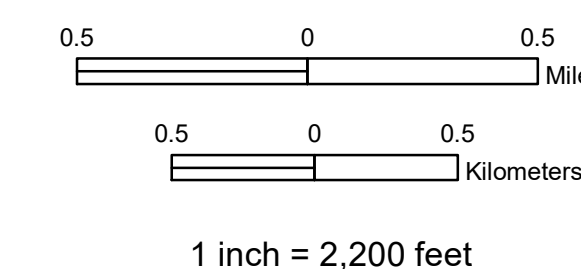
- No Action Required
- Track 2 - MRS-34 (FAAF)
- Track 1
- Track 0
- Track 3 - Impact Area MRA
- Track 2 - Parker Flats MRA
- Track 2 - BLM Area B and MRS-16
- Track 2 - Del Rey Oaks MRA

ESCA MRAS

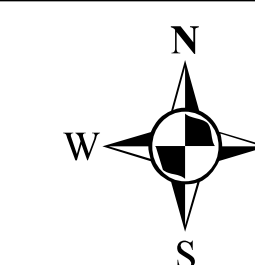
- ▭ Parker Flats and Seaside (Group 1)
- ▭ CSUMB Off-Campus (Group 2)
- ▭ DRO / Monterey, Laguna Seca Parking, MOUT (Group 3)
- ▭ Future East Garrison (Group 4)
- ▭ Interim Action Ranges



**Figure 4
MMRP Sites**



U.S. ARMY CORPS OF ENGINEERS



**FORMER FORT ORD
MONTEREY, CALIFORNIA**

DATA SOURCE: Fort Ord BRAC	PRINT DATE: 6/30/2020
FILE: RASR_2020_4.mxd	DRAWN BY: AK

Tables

Table 1
Fort Ord Decision Document Chronology

Milestones	Date
National Priorities List (NPL) Listing	2/1/1990
Federal Facility Agreement (FFA)	7/1/1990
Base Realignment and Closure (BRAC) Listing	7/1/1991
Interim Action (IA) Sites Record of Decision (ROD)	3/1/1994
Operable Unit (OU) 2, Fort Ord Landfills, ROD	8/1/1994
Base closure	9/30/1994
No Action Sites ROD	4/1/1995
OU 1 Fritzsche Army Air Field (FAAF) Fire Drill Area (FDA) ROD	9/1/1995
OU 2 Explanation of Significant Differences (ESD) #1	8/1/1995
OU 2 ESD #2	8/1/1996
OU 2 ESD #3	1/1/1997
Interim ROD, Site 3 Beach Trainfire Ranges	1/1/1997
Basewide Remedial Investigation (RI) Sites ROD	1/1/1997
ROD, Disposal and Reuse Supplemental Environmental Impact Statement	6/1/1997
No Action Munitions Response (MR) ROD, Track 0	6/1/2002
IA MR ROD for Ranges 43-48, Range 30A, and MRS-16	9/1/2002
First Five-Year Review Report	9/4/2002
Site 39 ESD	12/1/2003
No Further Action (NFA) ROD for Track 1 MR Sites and for Site 3 (MRS-22) with Monitoring	3/1/2005
Track 0 ESD	4/1/2005
OU 2 ESD #4	8/1/2006
Environmental Services Cooperative Agreement (ESCA)	3/1/2007
Amendment 01 to the 1990 FFA	7/1/2007
Second Five-Year Review Report	9/17/2007
OU Carbon Tetrachloride Plume (CTP) ROD	2/1/2008
Track 3 Impact Area Munitions Response Area (MRA) ROD	5/1/2008
Administrative Order on Consent (AOC) for ESCA	7/1/2008
Track 2 Parker Flats MRA ROD	8/1/2008
Track 2 Del Rey Oaks MRA ROD	11/1/2008
Site 39 ROD Amendment	9/1/2009
OU 1 ESD #1	8/1/2010
Third Five-Year Review Report	9/17/2012
ROD for ESCA Group 3, DRO/Monterey, Laguna Seca Parking, and MOUT Site MRAs	11/25/2014
ROD, for ESCA Group 2, California State University Monterey Bay (CSUMB) Off-Campus MRA	2/26/2015
ROD, Track 2 MRS-34, FAAF Area	9/3/2015
ESD #1 to the Basewide RI Sites ROD	2/16/2016
ROD for ESCA Interim Action Ranges (IAR) MRA ROD	1/18/2017
Track 2 BLM Area B and MRS-16 ROD	3/9/2017
Fourth Five-Year Review Report	9/8/2017
ROD for ESCA Group 1, Seaside and Parker Flats (Phase II) MRAs	9/25/2018
ROD for ESCA Group 4, Future East Garrison MRA	9/25/2018

Table 2
NPL Deletion Parcels
Fort Ord, CA

Notes:

1. Additional parcel information is available in parcel search tool at fortordcleanup.com/parcel-search-tool
2. Fort Ord Administrative Record documents can be accessed via document search tool at fortordcleanup.com/documents/search
3. Pink column lists Hazardous and Toxic Waste (HTW) sites associated with the parcel and discussed in Section 4 of the Remedial Action Summary Report.
4. Blue columns provide supporting information for munitions responses (MR). "MR Decision Document (or equivalent)" column lists records of decision, approval memoranda, and other supporting documents such as Community Environmental Response Facilitation Act (CERFA) report. Associated Environmental Protection Agency (EPA) concurrence letters are identified.
5. Deed restrictions are noted in types (e.g., groundwater restriction). Please refer to the deeds for specifics.

Table 2
NPL Deletion Parcels
Fort Ord, CA

USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
E11a	148.41	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E11a.1	7.34	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E11b.1	24.54	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E11b.2	41.57	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E11b.3	6.16	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 32	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E11b.4	0.11	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E11b.6.1	47.82	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 4 ROD	ESCA-0360	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E11b.6.2	17.96	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Groundwater Restriction Yes: Residential Use Restriction Yes: Site Access Restriction	Yes: provided in the deed.
E11b.6.3	8.38	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	No	Yes: provided in the deed.
E11b.7.1.1	129.87	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 41	ESCA Group 4 ROD	ESCA-0360	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E11b.7.1.2	63.25	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 41	Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	No Residential Use Restriction Site Access Restriction	Yes: provided in the deed.
E11b.7.2	7.37	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	No	Yes: provided in the deed.
E11b.8	67.69	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 4 ROD	ESCA-0360	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E15.1	49.25	FORA	Transferred	4/21/2004	FOST 6 (Track 0)	OTH-207H	Site 20	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E15.2	28.74	FORA	Transferred	7/25/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E17	3.76	FORA	Transferred	10/17/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-604 (entire parcel).
E18.1.1	99.96	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD Track 2 ROD Parker Flats MRA	ESCA-0359 OE-0661	2/28/2019 7/27/2009	ESCA-0370 OE-0667L	Yes: Excavation Restriction (Residential Use Restriction by Amendment No. 1 to Deed No. DACA05-9-07-506 for Parker Flats Ph1 portion of parcel only.)	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-506 for Parker Flats Phase I portion of parcel only.
E18.1.2	77.96	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD Track 2 ROD Parker Flats MRA	ESCA-0359 OE-0661	2/28/2019 7/27/2009	ESCA-0370 OE-0667L	Yes: Excavation Restriction (Residential Use Restriction by Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Ph1 portion of parcel only.)	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Phase I portion of parcel only.
E18.1.3	40.01	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E18.2.1	4.13	FORA	Transferred	7/25/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No Residential Use Restriction Site Access Restriction	Yes: provided in the deed.

Table 2
NPL Deletion Parcels
Fort Ord, CA

USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
E18.2.2	0.07	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E18.3	6.23	FORA	Transferred	7/25/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
E18.4	2.16	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E19a.1	71.43	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD Track 2 ROD Parker Flats MRA	ESCA-0359 OE-0661	2/28/2019 7/27/2009	ESCA-0370 OE-0667L	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction (Residential Use Restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-505 for Parker Flats Ph1 portion of parcel only.)	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Phase I portion of parcel only. The northern portion of E19a.1 is Phase 2. Pending: modification to deed in progress for Phase II.
E19a.2	72.54	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E19a.3	302.64	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD Track 2 ROD Parker Flats MRA Track 1 Plug-in ESCA County North MRA	ESCA-0359 OE-0661 ESCA-0169A	2/28/2019 7/27/2009 2/23/2010	ESCA-0370 OE-0667L ESCA-0169A.3	Residential Use Restriction Site Access Restriction (Partial Residential Use Restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-505 for Parker Flats Ph1 portion of parcel only. Access restriction and residential restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-505 for County North portion of parcel only.)	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Phase I portion of parcel only, and in Amendment No. 2 to Deed No. DACA05-9-07-505 for County North MRA portion of parcel only
E19a.4	372.27	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 8	ESCA Group 1 ROD Track 2 ROD Parker Flats MRA Track 1 Plug-in ESCA County North MRA	ESCA-0359 OE-0661 ESCA-0169A	2/28/2019 7/27/2009 2/23/2010	ESCA-0370 OE-0667L ESCA-0169A.3	Yes: Excavation Restriction (Partial Residential Use Restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-505 for Parker Flats Ph1 portion of parcel only. Access restriction and residential restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-505 for County North portion of parcel only.)	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Phase I portion of parcel only, and in Amendment No. 2 to Deed No. DACA05-9-07-505 for County North MRA portion of parcel only
E19a.5	226.56	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 2 ROD Parker Flats MRA	OE-0661	7/27/2009	OE-0667L	Yes: Excavation Restriction Residential Use Restriction removed by Amendment No. 2 to Deed No. DACA05-9-07-508 for entire parcel.	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-508 for Parker Flats Phase I area (entire parcel).
E20b	101.75	FORA	Transferred-reacquired	8/8/2000	Preston and Stilwell Park	OTH-046A		CERFA Report (134) FOST Preston and Stilwell Park Disposal Polygons	BW-1658 OTH-046A	EPA concurrence on CERFA uncontaminated (134) EPA letter on 120(h)(3) (property transferred as 120(h)(4))	BW-1658A OTH-138	No	Yes: provided in the deed.
E20c.1	70.31	FORA	In Progress		FOST12	OTH-259		Track 1 Plug-in MRS-24A/24C/Parcel E20c.1	OE-0741A	10/20/2011	OE-0741A.3		Pending

Table 2
NPL Deletion Parcels
Fort Ord, CA

USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
E20c.1.1.1	80.36	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	No	Yes: provided in the deed.
E20c.1.2	0.27	FORA	Transferred	7/25/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
E20c.1.3	10.28	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D	OE-0587	6/27/2006	OE-0587D.1	No	Yes: provided in the deed.
E20c.2	33.2	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E20c.2.1	25.36	FORA	Transferred	7/25/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Protection Site Access Restriction	Yes: provided in the deed.
E20c.2.2	2.3	FORA	Transferred	7/25/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
E21b.3	31.55	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E23.1	13.29	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
E23.2	72.82	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
E24	180.557	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
E29.1	22.48	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
E29.2	11.88	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Residential Use Restriction Site Access Restriction	Yes: provided in the deed.
E29a	271.6	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Yes: Excavation Restriction Soil Disturbance Restriction (Residential Use Restriction on the parcel is to be released per ROD)	Modification to deed in progress.
E29a.1	4.66	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	No	Yes: provided in the deed.
E29b.1	33.52	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Yes: Excavation Restriction	Modification to deed in progress.
E29b.2	31.19	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Soil Disturbance Restriction Residential Use Restriction	Yes: provided in the deed.
E29b.3	27.71	FORA	Transferred	10/6/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E	Site 39dev	Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
E29b.3.1	0.65	FORA	Transferred	6/5/2019	FOST12	OTH-259		CERFA Report	BW-1658	EPA concurrence on CERFA uncontaminated	BW-1658A		Yes: provided in the deed.
E29e	9.45	FORA	Transferred	10/6/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.

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USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
E2a	63.07	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 Plug-in MRS-6EXP Track 1 ROD	OE-0527C OE-0529 OE-0526	7/19/2005 6/20/2005 EPA signature of ROD	OE-0527F.1 OE-0529D.1 -	Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.1.1	25.28	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 28	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.1.2	1.66	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.2	6.05	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.3	34.74	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.4	2.36	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.1.5	12.08	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 18 Site 19	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.2.3	4.33	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.2.4	7.54	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.3.1.1	107.99	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 28	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2b.3.1.2	1.76	FORA	Transferred	8/8/2000	Building 1021	OTH-081		CERFA Report FOST Building 1021	BW-1658 OTH-081	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-166	No	Yes: provided in the deed.
E2b.3.2	0.11	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.1	13.29	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.2	1.12	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.3.1	11.37	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.3.2	9.26	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.3.3	31.27	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.1.1	10.08	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.1.2	1.28	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.2.1	13.39	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.2.2	2.14	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.3	2.64	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2c.4.4	1.11	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2d.1	14.97	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2d.2	5.45	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2d.3.1	25.2	FORA	Transferred	3/21/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E	Site 25	Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2d.3.2	21.6	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E2e.1	6.1	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E2e.2	0.15	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E31a	4.89	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Yes: Excavation Restriction	Modification to deed in progress.
E31b	3.34	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Soil Disturbance Restriction Yes: Excavation Restriction Residential Use Restriction	Modification to deed in progress.
E31c	3.92	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Soil Disturbance Restriction Yes: Excavation Restriction Residential Use Restriction	Modification to deed in progress.

Soil Disturbance Restriction
Residential Use Restriction

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E34	97.07	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
E36	6.41	FORA	Transferred	12/28/2005	FOSET 4 (Del Rey Oaks Group)	FOSET-003K	Site 39dev	Track 2 ROD Del Rey Oaks MRA	OE-0670	8/20/2010	OE-0714A.2	Yes: Excavation Restriction Yes: Residential Use Restriction Site Access Restriction	Modification to deed in progress.
E37	2.35	Seaside / Hayes	Transferred	7/25/2002	Surplus II Area A	OTH-193		CERFA Report FOST Surplus II Parcels Area A	BW-1658 OTH-193	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-137H	No Soil Disturbance Restriction Residential Use Restriction	Yes: provided in the deed.
E38	17.71	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39	ESCA Interim Action Ranges MRA ROD	ESCA-0331	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
E39	161.69	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39	ESCA Interim Action Ranges MRA ROD	ESCA-0331	9/27/2018	ESCA-0363	Yes: Excavation Restriction Yes: Residential Use Restriction Site Access Restriction	Pending: modification to deed in progress.
E4.1.1	153.5	FORA	Transferred	10/17/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction Yes: Residential Use Restriction Site Access Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-604 (entire parcel).
E4.1.2.1	9.63	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 Plug-in MRS-6EXP	OE-0527C OE-0529	7/19/2005 6/20/2005	OE-0527F.1 OE-0529D.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.1.2.2	26.24	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 Plug-in MRS-6EXP Track 1 ROD	OE-0527C OE-0529 OE-0526	7/19/2005 6/20/2005 EPA signature of ROD	OE-0527F.1 OE-0529D.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.1.2.3	0.99	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.2	65.52	FORA	Transferred	10/17/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-604 (entire parcel).
E4.3.1.1	178.21	FORA	Transferred	10/17/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	OU2 Area A	Track 0 ROD Track 1 ORD	OE-0406 OE-0526	EPA signature of ROD EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-604 (entire parcel).
E4.3.1.2	1.22	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	OU2 Area A	Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.3.2.1	42.31	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	Site 26	Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.3.2.2	7.96	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	OUCTP	Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1	Yes: Groundwater Restriction	Modification to deed in progress.
E4.4	93.6	FORA	Transferred	8/8/2000	Preston and Stilwell Park	OTH-046A		CERFA Report (220, 142,4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Preston and Stilwell Park Disposal Polygons	BW-1658 OTH-046A	EPA concurrence on CERFA uncontaminated (220, 142) EPA letter on 120(h)(3) (property transferred as 120(h)(4))	BW-1658A OTH-138	No	Yes: provided in the deed.
E4.4.1	4.78	FORA	Transferred	5/5/2015	Preston and Stilwell Park	OTH-046A		CERFA Report (220) FOST Preston and Stilwell Park Disposal Polygons	BW-1658 OTH-046A	EPA concurrence on CERFA uncontaminated (220) EPA letter on 120(h)(3) (property transferred as 120(h)(4))	BW-1658A OTH-138	No	Yes: provided in the deed.
E4.5	3.8	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E4.6.1	25.08	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	OU2 Area A	Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.6.2	16.44	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
E4.7.1	6.16	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	Yes: Groundwater Restriction	Modification to deed in progress.
E4.7.2	3.99	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	Yes: Groundwater Restriction	Modification to deed in progress.

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E40	25.32	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Interim Action Ranges MRA ROD	ESCA-0331	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
E41	9.14	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39	ESCA Interim Action Ranges MRA ROD	ESCA-0331	9/27/2018	ESCA-0363	Yes: Excavation Restriction Residential Use Restriction Site Access Restriction	Pending: modification to deed in progress.
E42	12.79	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39	ESCA Interim Action Ranges MRA ROD	ESCA-0331	9/27/2018	ESCA-0363	Yes: Excavation Restriction Residential Use Restriction Site Access Restriction	Pending: modification to deed in progress.
E5a.1	30.59	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Excavation Restriction Residential Use Restriction Site Access Restriction	Modification to deed in progress.
E5a.2	15.41	FORA	Transferred	3/21/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E5b	3.21	FORA	Transferred	8/8/2000	Preston and Stilwell Park	OTH-046A		CERFA Report (220) FOST Preston and Stilwell Park Disposal Polygons	BW-1658 OTH-046A	EPA concurrence on CERFA uncontaminated (220) EPA letter on 120(h)(3) (property transferred as 120(h)(4))	BW-1658A OTH-138	No	Yes: provided in the deed.
E8a.1.1.2	85.3	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
E8a.1.2	21.22	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E8a.1.3	2.68	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E8a.1.4	30.32	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
E8a.1.5	21.53	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
F1.1.2	288.82	BLM	Transferred	10/18/1996	NA	Not Applicable		Track 1 Plug-in BLM Area A	OE-0780	11/1/2012	OE-0780.5	No	NA for fed-fed parcel transfer
F1.1.3	775.62	BLM	Transferred	10/18/1996	NA	Not Applicable		Track 1 Plug-in BLM Area A Track 1 ROD	OE-0780 OE-0526	11/1/2012 EPA signature of ROD	OE-0780.5 --	No	NA for fed-fed parcel transfer
F1.12	12.98	BLM	Transferred	10/18/1996	NA	Not Applicable	Site 39dev	Track 1 Plug-in BLM HQ & MRS-35	OE-0740	9/28/2011	OE-0740.6	No	NA for fed-fed parcel transfer
F1.7.2	51.25	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
F2.1	14.81	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (130)	BW-1658	EPA concurrence on CERFA uncontaminated (130)	BW-1658A	Residential Use Restriction Site Access Restriction	
F2.2	199.02	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (134)	BW-1658	EPA concurrence on CERFA uncontaminated (134)	BW-1658A		
F2.3	431.29	Ord Military Community (formerly POM Annex)	Retained		Retained		Site 11	Track 1 Plug-in MRS-24A/24C/Parcel E20c.1 Track 1 ROD CERFA report	OE-0741A OE-0526 --	10/20/2011 EPA signature of ROD --	OE-0741A.3 -- --		
F2.3.1	44.25	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (134)	BW-1658	EPA concurrence on CERFA uncontaminated (134)	BW-1658A		

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USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
F2.3.2	22.52	Seaside	Retained-Transferred	8/28/2008				CERFA Report (162, 213, 106, 28) (None of the sites listed in Table 5-1 for Parcels 28/106 is munitions related) (Parcel is transferred as 120(h)(3)) (No munitions response site was subsequently identified)	BW-1658	EPA concurrence on CERFA uncontaminated (213, 106) EPA unable to concur on CERFA uncontaminated due to UXO (162) (However, the nearest munitions response site are MRS-20 and MRS-39, both of which were subsequently documented as Track 1 sites.)	BW-1658A	No	Not required for 120(h)(4).
F2.3.3	11.28	Seaside	Retained-Transferred	8/28/2008			Site 10	CERFA Report (28) (None of the sites listed in Table 5-1 for Parcel 28 is munitions related) (Parcel is transferred as 120(h)(3)) (No munitions response site was subsequently identified)	BW-1658			No	Yes: provided in the deed.
F2.3.4	2.84	Seaside	Retained-Transferred	8/28/2008				CERFA Report (28, 213) (None of the sites listed in Table 5-1 for Parcel 28 is munitions related) (Parcel is transferred as 120(h)(3)) (No munitions response site was subsequently identified)	BW-1658	EPA concurrence on CERFA uncontaminated (213)	BW-1658A	No	Not required for 120(h)(4).
F2.4	0.94	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (114)	BW-1658	EPA unable to concur on CERFA uncontaminated due to radiological source concerns (113) (no UXO issues)	BW-1658A		
F2.5	5.61	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (38, 226, 119) (None of the sites listed in Table 5-1 for Parcels 38/119 is munitions related)	BW-1658	EPA concurrence on CERFA uncontaminated (226) EPA unable to concur on CERFA uncontaminated due to potential for hazardous substances storage in bldg. 4390 (119) (no UXO issues)	BW-1658A		
F2.6	35.5	Ord Military Community (formerly POM Annex)	Retained		Retained		Site 21	Track 2 ROD Parker Flats MRA	OE-0661	7/27/2009	OE-0667L		
F2.7.1	372.98	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
F2.7.2	2.17	Seaside / golf course	Transferred	9/2/2004	FOST 6 (Track 0)	OTH-207H	Site 33	Track 0 ROD	OE-0406	EPA signature of ROD	--	Yes: Residential Use Restriction	Yes: provided in the deed.
F2.7.3	3.06	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
F2.8	0.78	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (213, 205)	BW-1658	EPA concurrence on CERFA uncontaminated (213, 205)	BW-1658A		
F2.9	2.33	Ord Military Community (formerly POM Annex)	Retained					CERFA Report (228)	BW-1658	EPA concurrence on CERFA uncontaminated (228)	BW-1658A		

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F3	24.25	DFAS (Defense Finance and Accounting)	Retained					CERFA Report (37, 119) (None of the sites listed in Table 5-1 for Parcels 37/119 is munitions related)	BW-1658	EPA unable to concur on CERFA uncontaminated due to potential for hazardous substances storage in bldg. 4390 (119) (no UXO issues)	BW-1658A		
F4	9.84	US Army Reserve	Retained				Site 27	CERFA Report (58, 220) (None of the sites listed in Table 5-1 for Parcel 58 is munitions related)	BW-1658	EPA concurrence on CERFA uncontaminated (220)	BW-1658A		
F5.1	5.16	Cal Army National Guard	Retained					CERFA Report (195, 33, 114) (None of the sites listed in Table 5-1 for Parcels 33/114 is munitions related)	BW-1658	EPA concurrence on CERFA uncontaminated (195)	BW-1658A		
F5.2	0.41	Cal Army National Guard	Retained					CERFA Report (114) (None of the sites listed in Table 5-1 for Parcel 114 is munitions related) (No munitions response site was subsequently identified)	BW-1658				
F6	6.1	Veterans Administration	Transferred	6/23/1998	NA	Not Applicable		CERFA Report (111) Letter of Transfer Dept of Veterans Affairs	BW-1658 OTH-235	EPA concurrence on CERFA uncontaminated	BW-1658A	No	NA for fed-fed parcel transfer
F7.1	1.49	FORA	Transferred	3/2/2011	UCSC Phase I	OTH-205		Track 0 ROD	OE-0406	EPA signature of ROD	--	Yes: Groundwater Restriction	Yes: provided in the deed.
F7.2	1.22	UCMBEST	Transferred	3/2/2011	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD	--	Yes: Groundwater Restriction	Yes: provided in the deed.
L1.1	3.17	Monterey College of Law	Transferred	12/3/2003	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L1.2	0.55	Monterey College of Law	Transferred	6/26/1997	Monterey College of Law	OTH-014B		CERFA Report (220) FOST Monterey College of Law	BW-1658 OTH-014B	EPA concurrence on CERFA uncontaminated (220)	BW-1658A	No	Yes: provided in the deed.
L11	2.29	Interim Inc	Transferred	7/2/1996	Interim, Inc	OTH-057B		CERFA Report FOST Interim, Inc.	BW-1658 OTH-057B	EPA concurrence on CERFA (disqualified) EPA concurrence on 120(h)(4)	BW-1658A OTH-057A	No	Yes: provided in the deed.
L12.1	2.34	Shelter Outreach Plus	Transferred	3/2/1996	Peninsula Outreach Buildings 6279, 6280	OTH-039A		CERFA Report (4) FOST Peninsula Outreach Welcome House	BW-1658 OTH-039A	-- EPA concurrence on 120(h)(4)	-- OTH-039	No	Yes: provided in the deed.
L12.2.1	0.91	Shelter Outreach Plus	Transferred	1/22/1999	Peninsula Outreach Buildings T-2814 to T-2817, T2836	OTH-010		CERFA Report (4) FOST Peninsula Outreach Welcome House (T-buildings) (They were included in IRP Site 28)	BW-1658 OTH-010	-- EPA comments on FOST: EPA would concur on 120(h)(4)	-- OTH-064	No	Yes: provided in the deed.
L12.2.2	0.27	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L12.2.3	0.26	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: provided in the deed.
L13.1	8.61	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
L13.2	14.7	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
L14	6.14	Children's Services Inc	Transferred	8/13/1997	Children's Services International	OTH-236		CERFA Report FOST Children's Services International	BW-1658 OTH-236	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-080	Yes: Groundwater Restriction	Yes: provided in the deed.
L15.1	1.68	Housing Authority Monterey County	Transferred	9/30/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L15.2	7.1	Housing Authority Monterey County	Transferred	7/3/1996	Housing Authority of Monterey County	OTH-057C		CERFA Report FOST Housing Authority	BW-1658 OTH-057C	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-057A	No	Yes: provided in the deed.

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L15.3	1.45	Housing Authority Monterey County	Transferred	7/3/1996	Housing Authority of Monterey County	OTH-057C		CERFA Report FOST Housing Authority	BW-1658 OTH-057C	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-057A	No	Yes: provided in the deed.
L16	5.1	Goodwill Industries	Transferred	11/26/1997	Goodwill Industries	OTH-015B		CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Goodwill Industries	BW-1658 OTH-015B			Yes: Groundwater Restriction	Yes: provided in the deed.
L17.2	6.65	Shelter Outreach Plus	Transferred	5/7/1996	Shelter Plus	OTH-021C		CERFA Report (220) FOST Shelter Plus	BW-1658 OTH-021C	EPA concurrence on CERFA uncontaminated (220)	BW-1658A	No	Yes: provided in the deed.
L19.1	2.07	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
L19.2	3.82	FORA	Transferred	4/21/2004	FOST 6 (Track 0)	OTH-207H	Site 24	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L19.3	1.23	FORA	Transferred	4/21/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L19.4	7.36	FORA	Transferred	4/21/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L2.1	4.54	Monterey-Salinas Transit (MST)	Transferred	3/25/2003	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		CERFA Report FOST Bldg 2058 Track 0 ROD	BW-1658 OTH-045A OE-0406	EPA concurrence on CERFA EPA concurrence on 120(h)(3) EPA signature of ROD	BW-1658A OTH-109 --	No	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-603 (entire parcel).
L2.2.1	2.11	Monterey-Salinas Transit (MST)	Transferred	5/20/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD Track 1 Plug-in Groups 1-5	OE-0406 OE-0591H	EPA signature of ROD 7/21/2006	OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
L2.2.2	4.54	Monterey-Salinas Transit (MST)	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
L2.3	24.22	FORA	In Progress		FOST11	OTH-254A		Track 2 ROD Parker Flats MRA	OE-0661	7/27/2009	OE-0667L		Pending
L2.4.1	2.79	FORA	In Progress		FOST11	OTH-254A		Track 2 ROD Parker Flats MRA	OE-0661	7/27/2009	OE-0667L		Pending
L2.4.2	13.16	Monterey-Salinas Transit (MST)	Transferred	3/25/2003	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 22	Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-603 (entire parcel).
L2.4.3.1	1.5	Monterey-Salinas Transit (MST)	Transferred	3/25/2003	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-603 (entire parcel).
L2.4.3.2	0.12	Monterey-Salinas Transit (MST)	Transferred	3/25/2003	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-603 (entire parcel).
L20.10.1.1	16.98	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.10.1.2	9.22	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.10.2	5.21	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.10.3	2.22	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.11.1	31.19	FORA	Transferred	8/8/2000	Blanco Road	OTH-045B		CERFA Report FOST Blanco Rd	BW-1658 OTH-045B	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-107	No	Yes: provided in the deed.
L20.11.2	7.67	FORA	Transferred	8/8/2000	Blanco Road	OTH-045B		CERFA Report FOST Blanco Rd	BW-1658 OTH-045B	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-107	No	Yes: provided in the deed.
L20.12	2.49	Monterey County	Transferred	1/29/1997	York Road	OTH-004		CERFA Report (230) FOST York Rd	BW-1658 OTH-004	EPA letter on CERFA, unable to concur as uncontaminated due to two releases (no UXO issue)	BW-1658A	No	Yes: provided in the deed.
L20.13.1.1	2.9	FORA	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.

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L20.13.1.2	0.2	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.13.2	0.98	FORA	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.13.3.1	4.84	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.13.3.2	3.07	FORA	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.13.4	1.62	FORA	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.13.5	6.71	FORA	Transferred	10/23/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1	No	Yes: provided in the deed.
L20.14.1.1	8.42	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L20.14.1.2	7.76	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.14.2	3.23	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L20.15	20.05	FORA	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.16.1	3.86	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.16.2	10.55	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 13	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.16.3	0.14	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.17.1	8.06	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 15 Sites 16/17	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.17.2	8.26	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
L20.18	7.24	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.19.1.1	6.43	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 4 ROD	ESCA-0360	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.19.1.2	3.26	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	No	Yes: provided in the deed.
L20.19.2	0.55	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD Track 1 ROD	OE-0406 OE-0526	EPA signature of ROD EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.2.1	252.66	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 1 Plug-in ESCA County North MRA Track 1 Plug-in Groups 1-5	ESCA-0169A OE-0591H	2/23/2010 7/21/2006	ESCA-0169A.3 OE-0591F.1	Yes: Excavation Restriction Site Access and Residential Restriction removed by Amendment No.2 to Deed No. DACA05-9-07-505 for County North MRA (entire parcel).	Yes: in Amendment No. 2 to Deed No. DACA05-9-07-505 for County North MRA (entire parcel).
L20.2.2	115.73	Monterey County	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39A	Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5 Track 1 ROD	OE-0587 OE-0591H OE-0526	6/27/2006 7/21/2006 EPA signature of ROD	OE-0587D.1 OE-0591F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L20.2.3.1	29.03	Monterey County	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5 Track 1 ROD	OE-0587 OE-0591H OE-0526	6/27/2006 7/21/2006 EPA signature of ROD	OE-0587D.1 OE-0591F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.

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L20.20	2.25	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.21.1	2.58	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.21.2	1.84	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 39A	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.22	2.41	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 39A	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L20.3.1	43.63	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.3.2	35.5	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Residential Use Restriction Yes: Excavation Restriction Access Restriction	Pending: modification to deed in progress.
L20.4	65.88	BLM	In Progress					Track 1 Plug-in BLM Area A Track 1 ROD	OE-0780 OE-0526	11/1/2012 EPA signature of ROD	OE-0780.5 --	Residential Use Restriction Site Access Restriction	NA for fed-fed parcel transfer
L20.5.1	131.36	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.5.2	54.53	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
L20.5.3	9.69	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
L20.5.4	0.51	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39dev	ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Residential Use Restriction Yes: Excavation Restriction Site Access Restriction	Pending: modification to deed in progress.
L20.6	247.19	Monterey County	Transferred	7/6/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 1 ROD	OE-0526	EPA signature of ROD		Residential Use Restriction Site Access Restriction	Yes: provided in the deed.
L20.7.1	3.32	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.7.2	7.18	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.7.3	0.71	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.7.4	1.23	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.7.5	4.31	FORA	Transferred	10/18/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L20.8	7.25	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L20.9	18.92	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		CERFA Report FOST 6 (Track 0)	BW-1658 OTH-207H	EPA concurrence on CERFA uncontaminated EPA comments on FOST	BW-1658A OTH-207E	Residential Use Restriction Yes: Groundwater Restriction Site Access Restriction	Yes: provided in the deed.
L21	1.56	MIRA (Monterey Institute for Research in Astronomy)	Transferred	3/22/1996	Monterey Institute for Research in Astronomy	OTH-063B	Site 18	EBS CERFA FOST MIRA	OTH-026 BW-1658 OTH-063B/ OTH-067A/ OTH-063A	EPA concurrence on CERFA EPA on 120(h)(3)	OTH-067 BW-1658A OTH-067	No	Yes: provided in the deed.
L22	1.15	Pacific Gas and Electric	Transferred	3/27/1997	Pacific Gas & Electric Substation	OTH-127		EBS CERFA FOST PGE Substation	OTH-024 BW-1658 OTH-127	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	OTH-067 BW-1658A OTH-067	No	Yes: provided in the deed.
L23.1.1	2.37	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.1.2	5.56	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.1.3	4.85	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.

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USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
L23.1.4	6.66	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.1.5	1.37	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.2	10.59	FORA-MPC	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 1 ROD	ESCA-0359	2/28/2019	ESCA-0370	Yes: Excavation Restriction	Pending: modification to deed in progress.
L23.3.1	54.42	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 30 Site 39A	Track 0 ROD	OE-0406	EPA signature of ROD		Residential Use Restriction Yes: Groundwater Restriction Site Access Restriction	Yes: provided in the deed.
L23.3.2.1	85.35	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 29	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.3.2.2	63.68	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 31	Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	Yes: Excavation and Exposure of Soil Restriction Exhibit B of the Quitclaim Deed includes a provision that requires compliance with the Habitat Management Plan which places some conditions on land use.	Yes: provided in Quitclaim Deed No. DACA05-9-06-549.
L23.3.3.1	57.63	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39A	Track 0 Plug-in East Garrison Area 1 Track 1 ROD	OE-0472 OE-0526	2/18/2004 EPA signature of ROD	OE-0472J --	Yes: Groundwater Restriction	Yes: provided in the deed.
L23.3.3.2	31.62	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in East Garrison Area 2/4NE	OE-0559A	6/1/2006	OE-0559E.1	No	Yes: provided in the deed.
L23.4	0.96	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 14	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L23.5.1	15.17	Chartwell School	Transferred	3/16/2007	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	No	Yes: provided in the deed.
L23.5.2	14.53	Chartwell School	Transferred	3/2/2011	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	No	Yes: provided in the deed.
L23.6	3.52	MPC (Monterey Peninsula College)	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L24	7.19	Golden Gate University	Transferred	8/31/1996	Golden Gate University	OTH-066E		CERFA FOST Golden Gate University	BW-1658 OTH-066E	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-038	No	Yes: provided in the deed.
L25	2.11	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
L27	52.11	RINC Organization	Transferred	2/3/2003	FOST 7 (Brostrom Park 2002), FOST 6 (Track 0)	OTH-208D	Site 37	Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: provided in the deed.
L28	23.88	Empire West Corp	Transferred	7/17/1999	Thorson Village	OTH-012D		CERFA Report FOST Thorson Village	BW-1658 OTH-012D	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-012C	No	Yes: provided in the deed.
L29	106.95	Seaside / Hayes	Transferred	7/25/2002	Hayes Park	OTH-016B		CERFA Report FOST Hays Park Parcel	BW-1658 OTH-016B	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-016C	No	Yes: provided in the deed.
L3.1	5.39	FORA-York School	Transferred	3/16/2007	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L3.2	101.2	FORA-York School	Transferred	3/2/2011	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	No	Yes: provided in the deed.
L30	5.24	Seaside / Hayes	Transferred	7/25/2002	Surplus II Area A	OTH-193		CERFA Report FOST Surplus II Parcels Area A	BW-1658 OTH-193	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-137H	No	Yes: provided in the deed.

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L31	11.65	FORA	Transferred	7/25/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	No	Yes: provided in the deed.
L32.1	2.95	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 2 ROD Parker Flats MRA	OE-0661	7/27/2009	OE-0667L	Yes: Excavation Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-07-505 for Parker Flats Phase I area (entire parcel).
L32.2.1	23.94	CSUMB	Transferred	1/26/2004	FOST 6 (Track 0)	OTH-207H	Site 22	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L32.2.2	9.29	CSUMB	Transferred	1/26/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L32.3	3.72	CSUMB	Transferred	1/26/2004	FOST 6 (Track 0)	OTH-207H	Site 24	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L32.4.1.1	37.54	FORA	Transferred	12/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L32.4.1.2	16.24	FORA	Transferred	10/17/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-01-605 (entire parcel).
L32.4.2	3.98	FORA	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H	Site 22	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L33.1	48.28	CSUMB	Transferred	1/26/2003	FOST 6 (Track 0)	OTH-207H	Site 20 Site 24	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L33.2	12.98	CSUMB	Transferred	1/26/2003	FOST 6 (Track 0)	OTH-207H	Site 20	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L34	1.73	Seaside / golf course	Transferred	1/15/1997	Golf Course Phase 1	OTH-141		Golf Course Property Transfer Screening Assessment Report FOST Golf Course Phase 1	BW-1518 OTH-141	-- EPA letter on 120(h)(3)	-- OTH-144	No	Yes: provided in the deed.
L35.1	10.61	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L35.2	1.71	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L35.3	0.1	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L35.4	1.09	Marina Coast Water District	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group B Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0525F OE-0587 OE-0591H	6/7/2005 6/27/2006 7/21/2006	OE-0525J.1 OE-0587D.1 OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
L35.5	0.92	Marina Coast Water District	Transferred	12/8/2005	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
L35.6	0.13	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 39A	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L35.7	0.1	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L35.8	0.14	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L36	1.16	FORA	In Progress					Track 0 ROD	OE-0406	EPA signature of ROD	--	No	Yes: provided in the original deed.
L37	4.19	American Youth Hostel	Transferred	5/16/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-08-528 (entire parcel).
L4.1	18.1	City of Monterey	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	No	Yes: provided in the deed.
L4.2	7.03	City of Monterey	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H	Site 39dev	Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	No	Yes: provided in the deed.
L5.1.1	72.12	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J		Track 2 ROD MRS-34 (FAAF)	OE-0866	EPA signature of ROD		Yes: Use Restriction	Modification to deed in progress.
L5.1.1.1	12	FORA	Transferred	11/8/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J		Track 2 ROD MRS-34 (FAAF)	OE-0866	EPA signature of ROD		Yes: Use Restriction	Modification to deed in progress.
L5.1.10	0.22	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 34	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.

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L5.1.11	130.32	Marina	Transferred	8/11/1995	FAAF Phase 1	OTH-148		EBS CERFA (221) FOST FAAF Phase I	OTH-110 BW-1658 OTH-148	EPA letter on EBS affirms 120(h)(3) EPA concurrence on CERFA uncontaminated (221) EPA concurrence on FOST 120(h)(3) parcels and 120(h)(4) parcels	BW-1032 BW-1658A OTH-001A	No	Yes: provided in the deed.
L5.1.12	43.14	Marina	Transferred	8/11/1995	FAAF Phase 1	OTH-148		EBS (221) CERFA FOST FAAF Phase I	OTH-110 BW-1658 OTH-148	EPA letter on EBS affirms 120(h)(3) EPA concurrence on CERFA uncontaminated (221) EPA concurrence on FOST 120(h)(3) parcels and 120(h)(4) parcels	BW-1032 BW-1658A OTH-001A	No	Yes: provided in the deed.
L5.1.2	0.03	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 40	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.3	0.11	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 40	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.4	6.17	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 40 OF-34/35	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.5	0.56	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 40	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.6	0.23	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 34	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.7	0.23	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 34	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.1.9	0.44	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J	Site 34	Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.10.1	8.51	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Modification to deed in progress.
L5.10.2	12.55	FORA	Transferred	3/21/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L5.2	0.27	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.3	0.27	Marina	Transferred	10/5/2001	FOSET 1 (Fritzsche Army Airfield Phase II)	FOSET-001J		Track 0 ROD	OE-0406	EPA signature of ROD		No	Modification to deed in progress.
L5.4.1	5.69	Marina	Transferred	5/8/1998	Marina Sports Center	OTH-126		CERFA Report FOST Marina Sports Center	BW-1658 OTH-126	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-108	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.4.2	13.4	Marina	Transferred	5/8/1998	Marina Sports Center	OTH-126		CERFA Report FOST Marina Sports Center	BW-1658 OTH-126	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-108	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.4.3	1.63	Marina	Transferred	5/8/1998	Marina Sports Center	OTH-126		CERFA Report FOST Marina Sports Center	BW-1658 OTH-126	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-108	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.5.1	3.46	Marina	Transferred	5/8/1998	Marina Sports Center	OTH-126		CERFA Report FOST Marina Sports Center	BW-1658 OTH-126	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-108	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.5.2	0.55	Marina	Transferred	5/8/1998	Marina Sports Center	OTH-126		CERFA Report FOST Marina Sports Center	BW-1658 OTH-126	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-108	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.6.1	22.54	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	OU2 Area A	Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.6.2	8.47	FORA	Transferred	3/13/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	OU2 Area A	Track 0 Plug-in Group C Track 1 ROD	OE-0527C OE-0526	7/19/2005 EPA signature of ROD	OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.7	73.44	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		Track 1 Plug-in ESCA County North MRA	ESCA-0169A	2/23/2010	ESCA-0169A.3	Yes: Excavation Restriction Site Access and Residential Restriction removed by Amendment No.2 to Deed No. DACA05-9-07-505 for entire parcel.	Yes: in Amendment No. 2 to Deed No. DACA05-9-07-505 for County North MRA (entire parcel).

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USACE Parcel Number	Acreage	Recipient	Transfer Status	Transfer Date	FOST-FOSET	FOST-FOSET (AR#)	HTW Site in Report	MR Decision Document (or equivalent)	Decision Doc AR#	EPA Letter RA Complete	EPA Letter AR#	Deed Restriction	CERCLA Covenant/Warranty
L5.8.1	7.05	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Site 14 Sites 16/17	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L5.8.2	4.86	FORA	Transferred	3/15/2004	FOST 6 (Track 0)	OTH-207H	Sites 16/17	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L5.9.1.1	23.13	Marina	Transferred	4/30/1998	Marina Equestrian	OTH-020B		CERFA Report FOST UCMBEST Phases IIA and III	BW-1658 OTH-020B	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-112	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.9.1.2	4.12	Marina	Transferred	4/30/1998	Marina Equestrian	OTH-020B		CERFA Report FOST UCMBEST Phases IIA and III	BW-1658 OTH-020B	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-112	Yes: Groundwater Restriction	Yes: provided in the deed.
L5.9.2	3.22	FORA	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 0 Plug-in Group D Track 1 Plug-in Groups 1-5	OE-0587 OE-0591H	6/27/2006 7/21/2006	OE-0587D.1 OE-0591F.1	Yes: Groundwater Restriction	Yes: provided in the deed.
L6.1	13.27	Monterey Peninsula Regional Park District	Transferred	7/10/2009	FOST 10 (Track 0 Grp D, Track 1 EG 2/4, Track 1 Grps 1-5)	OTH-232H		Track 1 Plug-in Groups 1-5	OE-0591H	7/21/2006	OE-0591F.1	No	Yes: provided in the deed.
L6.2	6.91	FORA	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J		ESCA Group 3 ROD	ESCA-0293	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: modification to deed in progress.
L7.1	19.11	MPUSD (Monterey Peninsula Unified School District)	Transferred	7/15/1995	MPUSD Phase I	OTH-003		FOST MPUSD Phase I Track 1 Plug-in MRS-6EXP	OTH-003 OE-0529	EPA comment on FOST 6/20/2005	OTH-061 OE-0529D.1	Residential Use Restriction Site Access Restriction	Yes: provided in the deed.

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L7.2	12.94	MPUSD (Monterey Peninsula Unified School District)	Transferred	2/2/1996	MPUSD Phase II	OTH-075E		CERFA Report FOST MPUSD Phase II	BW-1658 OTH-075B	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4)	BW-1658A OTH-072	No	Yes: provided in the deed.
L7.3	15.11	MPUSD (Monterey Peninsula Unified School District)	Transferred	7/15/1995	MPUSD Phase I	OTH-003		CERFA Report FOST MPUSD Phase I	BW-1658 OTH-003	EPA concurrence on CERFA uncontaminated EPA comment on FOST	BW-1658A OTH-061	No	Yes: provided in the deed.
L7.4	10.67	MPUSD (Monterey Peninsula Unified School District)	Transferred	7/15/1995	MPUSD Phase I	OTH-003		FOST MPUSD Phase I Track 1 ROD	OTH-003 OE-0526	EPA comment on FOST EPA signature of ROD	OTH-061 --	No	Yes: provided in the deed.
L7.5	40.1	MPUSD (Monterey Peninsula Unified School District)	Transferred	7/15/1995	MPUSD Phase I	OTH-003		CERFA Report FOST MPUSD Phase I	BW-1658 OTH-003	EPA concurrence on CERFA uncontaminated EPA comment on FOST	BW-1658A OTH-061	No	Yes: provided in the deed.
L7.6	15.13	MPUSD (Monterey Peninsula Unified School District)	Transferred	7/15/1995	MPUSD Phase I	OTH-003		CERFA Report FOST MPUSD Phase I	BW-1658 OTH-003	EPA concurrence on CERFA uncontaminated EPA comment on FOST	BW-1658A OTH-061	No	Yes: provided in the deed.
L7.7	28.96	MPUSD (Monterey Peninsula Unified School District)	Transferred	2/2/1996	MPUSD Phase II	OTH-075E		CERFA Report FOST MPUSD Phase II Track 1 ROD	BW-1658 OTH-075B OE-0526	EPA concurrence on CERFA uncontaminated EPA concurrence on 120(h)(4) EPA signature of ROD	BW-1658A OTH-072 --	No	Yes: provided in the deed.
L7.8	0.32	FORA	Transferred	12/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L7.9	0.32	FORA	Transferred	12/15/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
L9.1.1.1	2.29	Veterans Transition Center	Transferred	10/19/1998	Vietnam Veterans	OTH-091A		EBS McKinney Homeless Act Group Version 2 CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Vietnam Veterans Track 1 ROD	OTH-028 BW-1658 OTH-091A OE-0526	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST EPA signature of ROD	OTH-1057 BW-1658A OTH-114 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L9.1.1.2	2.24	Veterans Transition Center	Transferred	9/5/2007	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		EBS McKinney Homeless Act Group Version 2 CERFA Report FOST Vietnam Veterans Track 0 Plug-in Group C Track 1 ROD	OTH-028 BW-1658 OTH-091A OE-0527C OE-0526	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST 7/19/2005 EPA signature of ROD	OTH-1057 BW-1658A OTH-114 OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L9.1.2.1	3.47	Veterans Transition Center	Transferred	10/19/1998	Vietnam Veterans	OTH-091A		EBS McKinney Homeless Act Group Version 2 CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Vietnam Veterans	OTH-028 BW-1658 OTH-091A	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST	OTH-1057 BW-1658A OTH-114	Yes: Groundwater Restriction	Yes: provided in the deed.
L9.1.2.2	2.38	Veterans Transition Center	Transferred	9/5/2007	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		EBS McKinney Homeless Act Group Version 2 CERFA Report FOST Vietnam Veterans Track 0 Plug-in Group C Track 1 ROD	OTH-028 BW-1658 OTH-091A OE-0527C OE-0526	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST 7/19/2005 EPA signature of ROD	OTH-1057 BW-1658A OTH-114 OE-0527F.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
L9.2.1	3.61	Veterans Transition Center	Transferred	10/19/1998	Vietnam Veterans	OTH-091A		EBS McKinney Homeless Act Group Version 2 CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Vietnam Veterans	OTH-028 BW-1658 OTH-091A	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST	OTH-1057 BW-1658A OTH-114	Yes: Groundwater Restriction	Yes: provided in the deed.

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L9.2.2	0.46	Veterans Transition Center	Transferred	10/19/1998	Vietnam Veterans	OTH-091A		EBS McKinney Homeless Act Group Version 2 CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Vietnam Veterans	OTH-028 BW-1658 OTH-091A	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST	OTH-1057 BW-1658A OTH-114	Yes: Groundwater Restriction	Yes: provided in the deed.
L9.3	1.05	Veterans Transition Center	Transferred	10/19/1998	Vietnam Veterans	OTH-091A		EBS McKinney Homeless Act Group Version 2 CERFA Report (4) (None of the munitions related sites listed in Table 5-1 is located within this parcel.) FOST Vietnam Veterans	OTH-028 BW-1658 OTH-091A	EPA comment on EBS EPA concurrence on CERFA EPA letter on FOST	OTH-1057 BW-1658A OTH-114	Yes: Groundwater Restriction	Yes: provided in the deed.
S1.1.1	90.73	CSUMB	Transferred	8/19/1994	CSUMB Phase I	OTH-002		EBS CERFA FOST CSU Phase I	OTH-103A BW-1658 OTH-002	-- EPA concurrence on CERFA EPA concurrence on 120(h)(3)	-- BW-1658A OTH-002B	No	Yes: provided in the deed.
S1.1.2	126.8	CSUMB	Transferred	8/19/1994	CSUMB Phase I	OTH-002	Site 23	EBS CERFA FOST CSU Phase I	OTH-103A BW-1658 OTH-002	-- EPA concurrence on CERFA EPA concurrence on 120(h)(3)	-- BW-1658A OTH-002B	No	Yes: provided in the deed.
S1.1.3	6.52	CSUMB	Transferred	8/19/1994	CSUMB Phase I	OTH-002	Site 22	EBS CERFA FOST CSU Phase I	OTH-103A BW-1658 OTH-002	-- EPA concurrence on CERFA EPA concurrence on 120(h)(3)	-- BW-1658A OTH-002B	No	Yes: provided in the deed.
S1.2.1	406.2	CSUMB	Transferred	8/19/1994	CSUMB Phase I	OTH-002	Site 26	Track 1 ROD	OE-0526	EPA signature of ROD		No	Yes: provided in the deed.
S1.2.2	20.28	CSUMB	Transferred	9/15/1997	CSUMB Fredricks & Parcel B	OTH-022A		CERFA Report FOST CSUMB Phase II Parcels 8 and Fredericks Park	BW-1658 OTH-022A	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-084	Yes: Groundwater Restriction	Yes: provided in the deed.
S1.3.1	38.18	CSUMB	Transferred	8/22/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 22	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-00-548 (entire parcel).
S1.3.2	332.84	FORA-CSUMB	Transferred	5/8/2009	FOSET 5 (ESCA and Non-ESCA OUCTP)	FOSET-004J	Site 39B	ESCA Group 2 ROD	ESCA-0298	9/27/2018	ESCA-0363	Yes: Excavation Restriction	Pending: FORA requested warranty 9/11/2019.
S1.3.3	9.27	CSUMB	Transferred	10/16/2003	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction Groundwater Restriction Site Access Restriction	Yes: provided in the deed.
S1.4	90.49	CSUMB	Transferred	8/22/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 23 Site 24	Track 0 ROD	OE-0406	EPA signature of ROD		No	Yes: in Amendment No. 1 to Deed No. DACA05-9-00-548 (entire parcel).
S1.5.1.1	96.3	CSUMB	Transferred	8/22/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 14 Site 18 Site 38 Sites 16/17	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-00-548 (entire parcel).
S1.5.1.2	11.71	CSUMB	Transferred	10/16/2003	FOST 6 (Track 0)	OTH-207H	Sites 16/17	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S1.5.2	18.39	CSUMB	Transferred	8/22/2002	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 14 Site 15	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-00-548 (entire parcel).
S1.6	34.39	CSUMB	Transferred	9/15/1997	CSUMB Fredricks & Parcel B	OTH-022A	Site 20	CERFA Report FOST CSUMB Phase II Parcels 8 and Fredericks Park	BW-1658 OTH-022A	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-084	Yes: Groundwater Restriction	Yes: provided in the deed.
S1.7	7.56	CSUMB	Transferred	2/9/1998	CSUMB Parcel 9	OTH-234	Site 14	CERFA Report FOST CSUMB Parcel 9	BW-1658 OTH-234	EPA concurrence on CERFA EPA concurrence on 120(h)(3)	BW-1658A OTH-079	Yes: Groundwater Restriction	Yes: provided in the deed.

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S2.1.1	34.32	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205	Site 34B	EBS CERFA Report (56) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205			No	Yes: provided in the deed.
S2.1.1.1	5.26	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (56) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205			No	Yes: provided in the deed.
S2.1.1.2	1.64	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (56, 221) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (221)	-- BW-1658A	No	Yes: provided in the deed.
S2.1.2	46.32	UCMBEST	In Progress		FOST12	OTH-259	OU1	Track 0 Plug-in Group C	OE-0527C	7/19/2005	OE-0527F.1		Pending
S2.1.3	14.48	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J	Site 35	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S2.1.4.1	11.95	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S2.1.4.2	3.62	UCMBEST	Transferred	3/3/2011	FOST 6 (Track 0)	OTH-207H	Site 34	Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S2.1.5	343.48	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205	OU1	EBS CERFA Report (221, 56, 57) (None of the sites listed in Table 5-1 for Parcel 56/57 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (221)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.1.5.1	5.06	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (56) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205			No	Yes: provided in Section 23 of deed.
S2.1.7	1.34	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (56) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205			No	Yes: provided in Section 23 of deed.
S2.2.1	269.73	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (221, 75) (Parcel 75 is identified as containing FAAF 3.5-in. Rocket Site. No such site was identified in the Archive Search Reports for munitions.) FOST UC Phase I	OTH-102 OTH-205	-- EPA concurrence on CERFA uncontaminated (221)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.1.1	37.36	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220, 58) (None of the sites listed in Table 5-1 for Parcel 58 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.1.2	11.53	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.1.3	0.49	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.

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S2.3.1.4	8.78	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.2.1	36.75	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.2.2	33.12	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.2.3	3.02	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.3.2.4	90.35	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (220, 61, larger parcel) (None of the sites listed in Table 5-1 for Parcel 61 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.4	10.98	UCMBEST	Transferred	8/31/1994	UCSC Phase I	OTH-205		EBS CERFA Report (56) (None of the sites listed in Table 5-1 for Parcel 56 is munitions related) FOST UC Phase I	OTH-102 BW-1658 OTH-205	-- EPA concurrence on CERFA uncontaminated (220)	-- BW-1658A	No	Yes: provided in Section 23 of deed.
S2.5.1.1	15.55	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S2.5.1.2	2.21	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S2.5.2.1	25.4	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S2.5.2.2	3.78	UCMBEST	Transferred	6/28/2004	FOSET 2 (Housing Areas and Former Garrison)	FOSET-002J		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: in Amendment No. 1 to Deed No. DACA05-9-97-599 (entire parcel).
S3.1.1	476.79	Cal Department Parks & Recreation	Transferred	9/29/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	Site 1 Site 4 OF-15 Sites 2/12 Site 3	Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Groundwater Restriction Residential Use Restriction	Yes: provided in the deed.
S3.1.2	468.19	Cal Department Parks & Recreation	Transferred	9/29/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	Site 4 OF-15 Sites 2/12 Site 3	Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Groundwater Restriction Residential Use Restriction	Yes: provided in the deed.
S3.1.3	21.9	Cal Department Parks & Recreation	Transferred	9/29/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G		Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Residential Use Restriction	Yes: provided in the deed.
S3.1.4	12.59	Cal Department Parks & Recreation	Transferred	9/29/2006	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	Site 3	Track 1 ROD	OE-0526	EPA signature of ROD		Yes: Residential Use Restriction	Yes: provided in the deed.
S3.2.1	11.28	Seaside	Transferred	8/28/2008	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
S3.2.2	0.09	Seaside	Transferred	8/28/2008	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.

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S4.1.1	72.14	Caltrans	Transferred	8/8/2007	FOST 9 (Track 0 Plug-in "C" and Track 1 Parcels)	OTH-223G	Site 28	Track 0 Plug-in Group C Track 1 Plug-in MRS-6EXP Track 1 ROD	OE-0527C OE-0529 OE-0526	7/19/2005 6/20/2005 EPA signature of ROD	OE-0527F.1 OE-0529D.1 --	Yes: Groundwater Restriction	Yes: provided in the deed.
S4.1.2.1	148.51	Caltrans	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S4.1.2.2	0.15	Caltrans	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S4.1.3	0.24	Caltrans	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S4.1.4	0.41	Caltrans	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S4.1.5	5.78	Caltrans	Transferred	9/1/2004	FOST 6 (Track 0)	OTH-207H		Track 0 ROD	OE-0406	EPA signature of ROD		Yes: Groundwater Restriction	Yes: provided in the deed.
S4.2.1	37.26	Caltrans	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
S4.2.2	1.01	Caltrans	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
S4.2.3	14.01	Caltrans	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
S4.2.4	25.73	Caltrans	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.
S4.3	1.34	Caltrans	Transferred	3/15/2006	FOST 8 (Track 0 and Track 0 Plug-in "B" Parcels)	OTH-222E		Track 0 Plug-in Group B	OE-0525F	6/7/2005	OE-0525J.1	No	Yes: provided in the deed.

Parcel search tool at fortordcleanup.com/parcel-search-tool
Document search tool at fortordcleanup.com/documens/search

Table 3
NPL Deletion Parcels with
CERCLA Warranty Pending
Fort Ord, CA

FOST-11		
L2.3		
L2.4.1		
FOST-12		
E20c.1		
S2.1.2		
FOSET-1		
L5.1.1	L5.1.3	L5.1.7
L5.1.1.1	L5.1.4	L5.1.9
L5.1.10	L5.1.5	L5.2
L5.1.2	L5.1.6	L5.3
FOSET-4		
E29a	E31b	
E29b.1	E31c	
E31a	E36	
FOSET-5-OUCTP		
Marina	County	
E4.3.2.2	E4.7.2	
E4.7.1		
E5a.1		
L5.10.1		
FOSET-5-California State University Monterey Bay		
S1.3.2		
FOSET-5-Monterey Peninsula College		
Group 1	Group 3	Interim Action Ranges MRA
E21b.3	F1.7.2	E38
L23.2		E39
		E40
		E41
		E42
FOSET-5-City of Monterey		
E29.1		
FOSET-5-County of Monterey		
Group 1	Group 3	Group 4
E18.1.2	L20.3.1	E11b.6.1
E19a.1	L20.3.2	E11b.7.1.1
E19a.2	L20.5.1	E11b.8
E19a.3	L20.5.2	L20.19.1.1
E19a.4	L20.5.3	
L20.18	L20.5.4	
	L20.8	
FOSET-5-City of Del Rey Oaks		
L20.13.1.2		
L20.13.3.1		
L6.2		
FOSET-5-City of Seaside		
E18.1.1	E20c.2	E24
E18.1.3	E23.1	E34
E18.4	E23.2	

Additional parcel information is provided in Table 2.

Appendix A

Acronym List

AOC	Administrative Order on Consent
ACL	aquifer cleanup level
AFFF	aqueous film-forming foam
A.R.	automatic rifle
AR	Administrative Record
ARAR	applicable or relevant and appropriate requirement
Army	U.S. Department of the Army
AST	aboveground storage tank
BCT	Base Realignment and Closure Cleanup Team
BEHP	bis(2-ethylhexyl) phthalate
bgs	below ground surface
BLM	Bureau of Land Management
BRA	Basewide Range Assessment
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene and xylene
CalEPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CERFA	Community Environmental Response Facilitation Act
COC	chemical of concern
COPC	chemical of potential concern
CRUP	covenant to restrict the use of property
CRWQCB	California Central Coast Regional Water Quality Control Board
CSUMB	California State University Monterey Bay
CT	carbon tetrachloride
cy	cubic yard
DCE	trans-1,2-dichloroethene
DGM	digital geophysical mapping
DoD	Department of Defense
DOL	Directorate of Logistics
DPR	California Department of Parks and Recreation
DRMO	Defense Reutilization and Marketing Office
DTSC	California Department of Toxic Substances Control
EDC	Economic Development Conveyance
EISB	enhanced in situ bioremediation
EPA	U.S. Environmental Protection Agency
EPP	environmental protection provisions
ERA	Ecological Risk Assessment
ESCA	Environmental Services Cooperative Agreement
ESD	explanation of significant differences
FAAF	Fritzsche Army Airfield
FDA	Fire Drill Area
FFA	Federal Facility Agreement
FORA	Fort Ord Reuse Authority
FOSET	finding of suitability for early transfer
FOST	finding of suitability to transfer

Acronym List

FOSTA	Fort Ord Soil Treatment Area
FS	Feasibility Study
GAC	granular activated carbon
GWETS	groundwater extraction and treatment system
HA	Historical Area
HDPE	high-density polyethylene
HHRA	human health risk assessment
HLA	Harding Lawson Associates
HMP	Installation-Wide Multispecies Habitat Management Plan
HTW	hazardous and toxic waste
IA	Interim Action
IAROD	Interim Action Record of Decision
IRP	Installation Restoration Program
LAW	light anti-tank weapon
LUC	land use control
MCL	maximum contaminant level
MEC	munitions and explosives of concern
MEK	methyl ethyl ketone
mg/kg	milligrams per kilogram
MGSTP	Main Garrison Sewage Treatment Plant
MMRP	Military Munitions Response Program
MNA	monitored natural attenuation
MOU	Military Operations in Urban Terrain
MP/CID	Military Police/Criminal Investigation Division
MRA	munitions response area
MRS	munitions response site
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
ND	non-detect
NFA	No Further Action
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRMA	Natural Resource Management Area
NWTS	Northwest Treatment System
O&M	operations and maintenance
OEHHA	California Office of Environmental Health Hazard Assessment
OF	outfall
OPS	operating properly and successfully
OU	operable unit
OUCTP	Operable Unit Carbon Tetrachloride Plume
PAH	polynuclear aromatic hydrocarbon
PBC	Public Benefit Conveyance
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PFAS	perfluoroalkyl substances
PFOA	Perfluorooctanoic Acid
PFOS	Perfluorooctane Sulfonate
POM	Presidio of Monterey

Acronym List

POTW	publicly owned treatment works
ppbv	parts per billion by volume
PRG	preliminary remediation goal
PRHRA	Post-Remediation Health Risk Assessment
QAPP	quality assurance project plan
RA	Remedial Action
RACR	Remedial Action Completion Report
RAO	Remedial Action Objectives
RAWP	Remedial Action Work Plan
RD	Remedial Design
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RQA	Residential Quality Assurance
SG-CL	soil gas cleanup level
SGMP	soil gas monitoring program
Sites 2/12	Sites 2 and 12
SOP	standard operating procedure
SRC	site-related chemicals
SRE	screening risk evaluation
SRU	soil remedial unit
SVE	soil vapor extraction
SVETS	soil vapor extraction and treatment system
SVOC	semivolatile organic compound
SVTU	soil vapor treatment unit
SWMU	Solid Waste Management Unit
TCC	target cleanup concentration
TCE	trichloroethene
TCRA	Time-Critical Removal Action
TNT	trinitrotoluene
TOC	total organic carbon
TPH	total petroleum hydrocarbons
TRPH	total recoverable petroleum hydrocarbons
U.S.	United States
USACE	United States Army Corps of Engineers
USRA	Underground Storage Tank Soil Remediation Area
UST	underground storage tank
UXO	unexploded ordnance
VOC	volatile organic compound

Appendix B

**Table 2
HTW Site Summary
Former Fort Ord, California**

Site Number	Site Name	Record of Decision (ROD)	Completed in 1st 5-Year Review (2001)	Completed in 2nd 5-Year Review (2007)	Completed in 3rd 5-Year Review (2012)	Completed in 4th 5-Year Review (2017)	Ongoing
1	Ord Village Sewage Treatment Plant	Interim Action Sites ROD		X			
2	Main Garrison Sewage Treatment Plant	Basewide Remedial Investigation Sites ROD					X
3	Beach Trainfire Ranges					X	
4	Beach Stormwater Outfalls	Basewide Remedial Investigation Sites ROD	X				
5	Range 36A (within Site 39)	Basewide Remedial Investigation Sites ROD	X				
6	Range 39, Abandoned Car Dump	Interim Action Site			X		
7	Ranges 40 and 41 (within Site 39)	Basewide Remedial Investigation Sites ROD					X
8	Range 49, Molotov Cocktail Range	Interim Action Sites ROD		X			
9	Range 40A (within Site 39)	Basewide Remedial Investigation Sites ROD					X
10	Burn Pit	Interim Action Sites ROD		X			
11	Army and Air Force Exchange Service Fueling Station	No Action Sites ROD	X				
12	Lower Meadow Disposal Area	Basewide Remedial Investigation Sites ROD					X
13	Railroad Right-	No Action	X				

**Table 2
HTW Site Summary
Former Fort Ord, California**

Site Number	Site Name	Record of Decision (ROD)	Completed in 1st 5-Year Review (2001)	Completed in 2nd 5-Year Review (2007)	Completed in 3rd 5-Year Review (2012)	Completed in 4th 5-Year Review (2017)	Ongoing
	of-Way	Sites ROD					
14	707th Maintenance Facility	Interim Action Sites ROD	X				
15	Directorate of Engineering and Housing (DEH) Yard	Interim Action Sites ROD	X				
16	DOL Maintenance Yard	Basewide Remedial Investigation Sites ROD	X				
17	Disposal Area, 1400 Block Motor Pool	Basewide Remedial Investigation Sites ROD	X				
18	1600 Block Facility	No Action Sites ROD	X				
19	2200 Block Facility	No Action Sites ROD	X				
20	South Parade Ground and 3800 and 519th Motor Pools	Interim Action Sites ROD	X				
21	4400/4500 Block Motor Pool East	Interim Action Sites ROD		X			
22	4400/4500 Block Motor Pool West	Interim Action Sites ROD	X				
23	3700 Block Motor Pool Complex	No Action Sites ROD	X				
24	Old Directorate of Engineering and Housing (DEH) Yard	Interim Action Sites ROD	X				
25	Former Defense Reutilization Marketing Office	Basewide Remedial Investigation Sites ROD	X				
26	Sewage Pump Stations, Buildings	No Action Sites ROD	X				

**Table 2
HTW Site Summary
Former Fort Ord, California**

Site Number	Site Name	Record of Decision (ROD)	Completed in 1st 5-Year Review (2001)	Completed in 2nd 5-Year Review (2007)	Completed in 3rd 5-Year Review (2012)	Completed in 4th 5-Year Review (2017)	Ongoing
	5871 and 6143						
27	Army Reserve Motor Pool	No Action Sites ROD	X				
28	Barracks and Main Garrison Area	No Action Sites ROD	X				
29	Defense Reutilization Marketing Office	No Action Sites ROD	X				
30	Driver Training Area	Interim Action Sites ROD		X			
31	Former Dump Site	Basewide Remedial Investigation Sites ROD					X
32	East Garrison Sewage Treatment Plant	Interim Action Sites ROD		X			
33	Golf Course Maintenance Area	Basewide Remedial Investigation Sites ROD					X
34	Fritzsche Army Airfield (FAAF) Fueling Facility	Interim Action Sites ROD		X			
34B	Former Burn Pit	Interim Action Sites ROD			X		
35	FAAF Aircraft Cannibalization Yard	No Action Sites ROD	X				
36	FAAF Sewage Treatment Plant	Interim Action Sites ROD	X				
37	Trailer Park Maintenance Shop	No Action Sites ROD	X				
38	Army and Air Force Exchange Service Dry Cleaners	No Action Sites ROD	X				

Table 2
HTW Site Summary
Former Fort Ord, California

Site Number	Site Name	Record of Decision (ROD)	Completed in 1st 5-Year Review (2001)	Completed in 2nd 5-Year Review (2007)	Completed in 3rd 5-Year Review (2012)	Completed in 4th 5-Year Review (2017)	Ongoing
39	Inland Ranges	Basewide Remedial Investigation Sites ROD					X
39A	East Garrison Ranges	Interim Action Sites ROD		X			
39B	Inter-Garrison Training Area	Interim Action Sites ROD			X		
40	FAAF Helicopter Defueling Area	Interim Action Sites ROD				X	
41	Crescent Bluff Fire Drill Area	Interim Action Sites ROD				X	
OF-15	Outfall 15	Interim Action Sites ROD				X	
OF34/35	Outfalls 34 and 35	Interim Action Sites ROD	X				

Notes:

DEH = Directorate of Engineering and Housing
FAAF = Fritzsche Army Airfield
HTW = Hazardous and Toxic Waste
OF = Outfall
ROD = Record of Decision

FIVE-YEAR REVIEW SUMMARY FORM

SITE IDENTIFICATION		
Site Name: Fort Ord		
EPA ID: CA7210020676		
Region: 9	State: CA	City/County: Marina / Monterey
SITE STATUS		
NPL Status: Final		
Multiple OUs? Yes	Has the site achieved construction completion? No	
REVIEW STATUS		
Lead agency: Other Federal Agency If "Other Federal Agency" was selected above, enter Agency name: U.S. Department of the Army		
Author name (Federal or State Project Manager): William K. Collins		
Author affiliation: U.S. Department of the Army		
Review period: 10/1/2011 - 9/30/2016		
Date of site inspection: 7/12/2016 through 10/17/16		
Type of review: Statutory		
Review number: 4		
Triggering action date: 9/25/2012		
Due date (five years after triggering action date): 9/25/2017		

Five-Year Review Summary Form (Continued)

Issues/Recommendations		Protectiveness Statements
Issues and Recommendations Identified in the Five-Year Review and Sites/Operable Units (OUs) without Issues/Recommendations Identified in the Five-Year Review		
OU(s): Section 5: OU 1 — Fritzsche Army Airfield Fire Drill Area	There are no issues affecting the protectiveness of the remedy at OU 1.	<i>Protectiveness Statement:</i> Protective. The remedy at OU 1 is protective of human health and the environment. The remedial action objectives stipulated in the 1995 Record of Decision (ROD) and 2010 Explanation of Significant Differences (ESD) have been achieved.
OU(s): Section 6: OU 2 – Fort Ord Landfills	There are no issues affecting the protectiveness of the remedy at OU 2. Additionally, this assessment did not identify any unresolved issues previously raised by regulatory agencies, the community, or other interested parties.	<i>Protectiveness Statement:</i> Protective. The remedies at OU 2 are protective of human health and the environment. The ongoing remedial activities continue to adequately address all exposure pathways that could result in unacceptable risks. During the course of the remediation process, potential environmental and human health concerns are being addressed by mitigation measures, such as control and treatment of landfill gases. The soil vapor exposure pathway is being controlled by the on-going groundwater remedy (which includes soil gas extraction and granular activated carbon [GAC] treatment). Potential exposure pathways are also being controlled by the restrictions of Chapter 15.08 of Title 15, Monterey County Code, and the Covenant to Restrict Use of Property (CRUP).
OU(s): Section 7.1: Basewide Remedial Investigation (RI) Sites – Site 2 – Main Garrison Sewage Treatment Plant and Site 12 - Lower Meadow Disposal Area, Directorate of Logistics (DOL) Automotive Yard, Cannibalization Yard, and Southern Pacific Railroad Spur	This technical assessment did not identify any issues that affect current or future protectiveness of the Sites 2 and 12 groundwater remedy.	<i>Protectiveness Statement:</i> Protective. The remedies at Sites 2 and 12 are protective of human health and the environment. The remedial activities completed to date have adequately addressed all exposure pathways that could result in unacceptable risks in these areas. Pathways are being controlled by groundwater use restrictions, modifications to the groundwater remedy (including soil vapor extraction and treatment), and the presence of Monterey County Ordinance 4011 and the CRUP.
OU(s): Section 7.2: Basewide RI Sites – Site 31 – Former East Garrison Dump Site	There are no issues affecting the protectiveness of the remedy at Site 31.	<i>Protectiveness Statement:</i> Protective. The remedy at Site 31 is protective of human health and the environment. The successful completion of the remedy establishes that the site is protective of human health and the environment. The land use restrictions incorporated into the Quitclaim Deed and CRUP apply to the entire site and run with the land ensuring protectiveness.
OU(s): Section 7.3: Basewide RI Sites – Site 39 – Inland Ranges	There are no issues affecting the protectiveness of the remedy at Site 39.	<i>Protectiveness Statement:</i> Protective. The overall remedy at Site 39 is protective of human health and the environment. The long-term protectiveness at sites Historical Area (HA)-18D and HA-23D for potential future residential development is being further evaluated as indicated in Section 7.3.8 of this Five-Year Review Report.

Issues/Recommendations		Protectiveness Statements
Issues and Recommendations Identified in the Five-Year Review and Sites/Operable Units (OUs) without Issues/Recommendations Identified in the Five-Year Review		
OU(s): Section 7.4: Basewide RI Sites – Site 33 - Golf Course Maintenance Area	There are no issues affecting the protectiveness of the remedy at Site 33.	<i>Protectiveness Statement:</i> Protective. The remedy at Site 33 is protective of human health and the environment. The remedy is protective and is consistent with the designated uses for the property. Potential exposure pathways that could result in unacceptable risks are being controlled by the land use controls (LUCs).
OU(s): Section 8: Site 3 – Beach Trainfire Ranges	There are no issues affecting the protectiveness of the remedy at Site 3.	<i>Protectiveness Statement:</i> Protective. The remedy at Site 3 is protective of human health and the environment. Ecological monitoring indicates no adverse ecological impacts at the site. The LUCs and access restrictions in effect for the State Park continue to provide human health protection.
OU(s): Section 9: Interim Action (IA) Sites – Contaminated Surface Soil Remediation	There are no issues affecting the protectiveness of the remedy at the IA Sites.	<i>Protectiveness Statement:</i> Protective. The remedy at the IA sites is protective of human health and the environment. Regulatory concurrence of the confirmation reports and the results of the reevaluation of lead at the fourteen lead-impacted sites clarifies that the remedy has performed as intended, RAOs have been achieved, and the remedy remains protective of human health and the environment.
OU(s): Section 10: Operable Unit Carbon Tetrachloride Plume (OUCTP)	There are no issues affecting the protectiveness of the remedy at OUCTP.	<i>Protectiveness Statement:</i> Will be Protective. The remedy at OUCTP is expected to be protective of human health and the environment upon completion. In the interim, ongoing remedial activities and groundwater use prohibitions continue to adequately address all exposure pathways that could result in unacceptable risks. Specific controls include groundwater prohibitions provided by Chapter 15.08 of Title 15, Monterey County Code, deed restrictions, and the CRUP.
OU(s): Section 12: Track 1 Sites	There are no issues affecting the protectiveness of the remedy at the Track 1 sites.	<i>Protectiveness Statement:</i> Protective. The remedy at the Track 1 sites is protective of human health and the environment. The No Further Action remedy allows for unrestricted use.
OU(s): Section 13: Track 2 Parker Flats Munitions Response Area (MRA)	<u>Army Parcels:</u> There are no unresolved issues in relation to parcels F2.6, L2.3, and L2.4.1 that have been identified in regard to the protectiveness of human health and the environment. <u>Environmental Services Cooperative Agreement (ESCA) Parcels:</u> No new issues affecting the protectiveness of the remedy at Parker Flats MRA Phase I have been identified.	<i>Protectiveness Statement:</i> Protective. The remedy for the Track 2 Parker Flats MRA is protective of human health and the environment. Remedial actions have been completed at the MRA. Furthermore, protectiveness is assured by long-term management measures including: implementing, monitoring, and enforcing the selected LUCs.

Issues/Recommendations		Protectiveness Statements
Issues and Recommendations Identified in the Five-Year Review and Sites/Operable Units (OUs) without Issues/Recommendations Identified in the Five-Year Review		
OU(s): Section 14: IA Munitions Response Sites (MRSs) - Ranges 43-48, Range 30A, and MRS-16	There are no issues affecting the protectiveness of the IA Sites MR ROD remedy.	<i>Protectiveness Statement:</i> Protective. The remedy at the IA MRSs is protective of human health and the environment. Selection of final remedies for the three Interim Action sites, Ranges 43-48, Range 30A, and MRS-16, has completed the interim action program under the 2002 IA Sites MR ROD. The interim action MR sites will not be reviewed again in future five-year reviews.
Section 15: Track 3 Impact Area MRA	There are no issues affecting the protectiveness of the Track 3 Impact Area MRA remedy.	<i>Protectiveness Statement:</i> Will be Protective. The remedy at the Track 3 Impact Area MRA is expected to be protective of human health and the environment upon completion. In the interim, ongoing remedial activities, along with access controls, adequately address all exposure pathways that could result in unacceptable risks. Specific controls include: security patrols; munitions and explosives of concern (MEC) recognition and safety training for authorized personnel; fencing, gate, and signage upkeep; and annual monitoring.
OU(s): Section 16: Track 2 Del Rey Oaks (DRO) MRA	There are no issues affecting the protectiveness of the Track 2 DRO remedy.	<i>Protectiveness Statement:</i> Protective. The remedy at the DRO MRA is protective of human health and the environment. Remedial actions have been completed at the MRA. Furthermore, protectiveness is assured by long-term management measures including: implementing, monitoring, and enforcing the selected LUCs.
Section 18: BLM Area B and MRS-16	There are no issues affecting the protectiveness of the selected remedy.	<i>Protectiveness Statement:</i> Will be Protective. The remedy for BLM Area B and MRS-16 is expected to be protective of human health and the environment upon implementation.
OU(s): Section 20: ESCA Group 2	There are no issues affecting the protectiveness of the remedy at the ESCA Group 2 California State University Monterey Bay (CSUMB) Off-Campus MRA.	<i>Protectiveness Statement:</i> Protective. The remedy at the ESCA Group 2 areas is protective of human health and the environment. Potential exposure pathways that could result in unacceptable risks are being controlled.
OU(s): Section 21: ESCA Group 3	There are no issues affecting the protectiveness of the remedy at the ESCA Group 3 areas which include the Del Rey Oaks/Monterey MRA, Laguna Seca Parking MRA, and Military Operations in Urban Terrain (MOUT) Site MRA.	<i>Protectiveness Statement:</i> Protective. The remedy at the ESCA Group 3 areas is protective of human health and the environment. Potential exposure pathways that could result in unacceptable risks are being controlled.

Acronyms used in Summary Table:

CA	California	ESD	Explanation of Significant Differences	MRA	Munitions Response Area
CRUP	Covenant to Restrict Use of Property	GAC	Granular activated carbon	MRS	Munitions Response Site
CSUMB	California State University Monterey Bay	HA	Historical Area	OU	Operable Unit
DOL	Directorate of Logistics	IA	Interim Action	OUCTP	Operable Unit Carbon Tetrachloride Plume
DRO	Del Rey Oaks	ID	identification	RI	Remedial Investigation
ESCA	Environmental Services Cooperative Agreement	MEC	munitions and explosives of concern	ROD	Record of Decision
EPA	U.S. Environmental Protection Agency	MOUT	Military Operations in Urban Terrain	U.S.	United States

Appendix F Agency Requests

Appendix G Agency Requests



Yana Garcia
Secretary for
Environmental Protection



Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Gavin Newsom
Governor

April 11, 2023

Daisy Pineda
Kimley-Horn
Daisy.Pineda@kimley-horn.com

Public Records Request Number: 1-041023-02
Location(s): APN: 031-151-012-00, Seaside, CA

Dear Requestor:

On April 10, 2023 the Department of Toxic Substances Control (DTSC) received your email of April 10, 2023 requesting records under the Public Records Act. We were unable to locate an address in the county database using the APNs provided and we are unable to search our records using APNs as our databases do not include this information. If you have a specific address or cross streets, please let us know.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSC's data management system. It tracks our cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 916-255-4159 or via email at PubReqAct@dtsc.ca.gov.

Sincerely,
Julee Moua
Julee Moua
Regional Records Coordinator

From: [Pineda, Daisy](#)
To: [Bretschger, Cassie](#)
Subject: FW: AM0000772: UST's/AST's/Hazardous Materials files ONLY
Date: Tuesday, April 18, 2023 8:46:50 AM
Attachments: [image001.png](#)

From: Ortiz, Linda B. <ortizlb@co.monterey.ca.us>
Sent: Tuesday, April 18, 2023 8:46 AM
To: Pineda, Daisy <Daisy.Pineda@kimley-horn.com>
Cc: McMurray, Randy M. <McMurrayRM@co.monterey.ca.us>
Subject: AM0000772: UST's/AST's/Hazardous Materials files ONLY

You don't often get email from ortizlb@co.monterey.ca.us. [Learn why this is important](#)

Good morning-

We did not locate any UST's/AST's/Hazardous Materials files for APN is 031-151-012-00 and is bordered by Gigling Rd to the South, Cabrillo Hwy to the West, 1st Ave to the East, and Lightfighter Dr to the north. If you have any questions, please reply to this e-mail.

If the records request submitted also included Water Systems/Wells, Septic Systems, Medical Waste/Landfills, Restaurant/ Pools/Spas/Housing complaints AND/OR Recycling & Resource Recovery, please contact our office to follow up with request at (831)755-4505, select option #3.

File Reviews: Please be advised that every effort has been made to provide all the disclosable records which might fall within your inquiry. As such, we believe our reply is quite thorough. However, if you have knowledge of a specific document which has not been provided in response to your inquiry, please notify us and we will be happy to provide the document(s) to you unless, of course, it is exempt from disclosure under applicable law or is no longer a part of our records retention. Please feel free to contact me if you have any questions regarding this response.

Regards,

Linda B. Ortiz

Office Assistant III

Monterey County Health Department

1270 Natividad

Salinas, CA 93906

Main: 831-755-4511

Direct: 831-755-4961 Fax: 831-796-8692

ortizlb@co.monterey.ca.us

Visit our website www.mtyhd.org

Hazardous Material Program: Report your changes through CERS: <https://cers.calepa.ca.gov/>

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COUNTY OF MONTEREY
HEALTH DEPARTMENT
Nationally Accredited for Providing Quality Health Services



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From: [Pineda, Daisy](#)
To: [Bretschger, Cassie](#)
Subject: Fwd: Public Records Request- APN 031-151-012-00
Date: Wednesday, June 7, 2023 2:12:58 PM

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From: Sellinger, Amber@Waterboards <Amber.Sellinger@Waterboards.ca.gov>
Sent: Wednesday, June 7, 2023 2:09:13 PM
To: Pineda, Daisy <Daisy.Pineda@kimley-horn.com>
Cc: Soderberg, Sheila@Waterboards <Sheila.Soderberg@waterboards.ca.gov>
Subject: RE: Public Records Request- APN 031-151-012-00

You don't often get email from amber.sellinger@waterboards.ca.gov. [Learn why this is important](#)

Hi Daisy,

We received your public records act request for APN 031-151-012-00 located at Gigling Road and 1st Avenue in Seaside, California. This property is located within the former Fort Ord boundary but appears to be outside of any current or historical cleanup case. Please review the former Fort Ord case files to confirm this and answer the questions in your initial request regarding past site use/environmental response. Provided below are links where you can find the information requested:

1. Documents associated with Former Fort Ord cleanup can be found at the following link: https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=DOD100196700. Additional former Fort Ord project documents can be found by searching GeoTracker at: <https://geotracker.waterboards.ca.gov/>. Historical paper files related to former Fort Ord are stored in our office and are organized by date rather than address. If you'd like to review the in-house documents and scan or make copies, we can schedule an appointment.
2. The Army is also required to maintain records for former Fort Ord which can be found on the Fort Ord Cleanup Website at: <https://www.fortordcleanup.com/documents/search/>. If you need additional information on the records that the Army maintains you can contact:
Jason No, Fort Ord Outreach Coordinator
Fort Ord Environmental Cleanup Community Relations Office
Phone: 831-393-1284
Email: Outreach@FortOrdCleanup.com.
3. Information on groundwater use restrictions in this area can be found at the following link: http://docs.fortordcleanup.com/ar_pdfs/AR-OUCTP-0036/Appendices/Appendix_E.pdf
4. For information on zoning, I recommend reviewing the case files as well as contacting Monterey County for this information.

Please let me know if you have any questions or need any additional information.

Thank you,

Amber Sellinger, P.G., C.Hg.

Engineering Geologist

Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401
Tel: (805) 549-3866 / Fax: (805) 543-0397
Email: Amber.Sellinger@waterboards.ca.gov

From: Pineda, Daisy <Daisy.Pineda@kimley-horn.com>
Sent: Monday, June 5, 2023 10:00 AM
To: WB-RB3-centralcoast <centralcoast@waterboards.ca.gov>
Cc: Bretschger, Cassie <Cassie.Bretschger@kimley-horn.com>
Subject: Public Records Request- APN 031-151-012-00

EXTERNAL:

To Whom It May Concern:

I am writing to submit a request to view public records with the Regional Water Resources Control Board regarding the property identified in the table below. The property is located in the Regional Board: 3/ Central Coast. An aerial image of the specific portion of the parcel that is of interest is attached. The application for public records request is also attached. The parcel is located in the City of Seaside in the County of Monterrey.

APN:	Address:
031-151-012-00	Not Reported

I am seeking the following information for the parcel, any information that could be provided would be greatly appreciated:

1. Do you have any records of fuel or chemical storage at the site? If yes, please provide details (install, removal, size, contents, Closure Assessments, etc.).
2. Do you have any records of hazardous waste disposal at the site?
3. Are you aware of any environmental impacts at the site (chemical or petroleum spills, releases, etc.)?
4. Has your agency been called to the site for an environmental emergency?
5. Do you know whether there are any groundwater use restrictions or other environmentally related activity and use restrictions at or near the site?

6. Do you know the past use of the site?
7. When were the current structures constructed? What is their approximate square-footage?
8. What is the current zoning of the site? What is the past zoning of the site?

Please contact me via email at daisy.pineda@kimley-horn.com phone at 657.331.4268 if charges will be incurred prior to fulfilling this request. Thank you for your assistance.

Daisy Pineda

Kimley-Horn | 1100 W Town and Country Rd., Suite 700 Orange, CA 92868

Direct: 657 331 4268

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Appendix H Credentials

Cassandra C. Bretschger, M.S., ENV SP

EDUCATION

M.S., Environmental Science and Geographic Information Systems, University of Arizona, Tucson

B.S., Environmental Science, University of Arizona, Tucson

AREAS OF EXPERTISE

Ms. Bretschger has experience in the following general areas:

- Entitlement strategy and processing
- Specific Plans
- Master Plan Development and Land Planning
- Due Diligence
- Regulatory Compliance and Permitting
- Data Validation and Database Management
- Soil / Groundwater Site Investigations and Remediation
- Phase I and II Environmental Site Assessments and Due Diligence
- Geospatial Analysis and Cartography
- Risk Assessment

REPRESENTATIVE EXPERIENCE

Ms. Bretschger is an Environmental Planner and Soil Scientist within Kimley Horn's Orange office. Her responsibilities consist of project management and field support in a wide range of consulting disciplines, project remediation/oversight, entitlement implementation, technical reporting and regulatory compliance at city, county and state levels.

Select Project Experience

Various Clients, CA (2015 – current)

Performed Phase I and II ESA's on multi-acre tracts of undeveloped, residential, commercial, and active industrial land for various clients. Phase I Tasks included: gathering historical data; analyzing database reports and historical documents such as topographic maps, aerial photographs and fire insurance maps; conducting site visits, land-owner, land-occupant interviews; and report writing. Phase II tasks include: budget preparation, field subcontractor coordination, geophysical surveys, drilling, soil vapor installation and risk analysis.

Class I Railroad Various Cities, CA (2016 - ongoing)

Working with both the remediation and real estate departments to carry out client services within the southwest. Remediation Department: Oversight of multiple ongoing remediation programs relating to former railroad fueling/maintenance or acquisition/lease properties. Responsibilities include maintaining groundwater monitoring activities, technical data analysis, analytical data quality analysis, and project reporting Real Estate Department: Complete lease site inspections across the United States documenting environmental compliance and completing Phase I and II ESAs for property acquisitions. As of 2022, working on baseline entitlements for a 4,300 acre site including Specific Plan, Development Agreement and technical reports for CEQA.

Northrup Grumman- Former Major Aerospace Test Facility – Orange County, CA (2015-2016)

GIS Analyst and on-site scientist for soil sampling activities at three former aerospace facilities in southern California. Responsibilities include oversight of drilling activities for all soil vapor probes, lead GIS Analyst for site investigations, semi-annual groundwater monitoring, feasibility testing, remediation implementation, and risk assessment work. Example project included: results for vapor intrusion study input into EVS for 3-D visualization of contamination extent, and identification of targeted remediation areas, which lead to a groundwater remediation strategy report.

Yara International, Southwest - CA, AZ, NM (2011-2014)

Served as project manager (2013-2014) and senior field technician (2011-2013) for three to five sites annually completing validation research implementing Yara products. Responsibilities included oversight of field work, laboratory coordination, bi-weekly field investigations, GIS mapping, report preparation, and internal budgeting/cost tracking.

SPECIALIZED TRAINING

- OSHA 40-Hour Hazardous Waste Health and Safety Training, 29 CFR 1910.120, 2015
- OSHA 8-Hour Refresher Safety Training, 29 CFR 1910.120 and CCR Title 8, Section 5192
- First Aid and CPR Certified
- ENV SP Certified