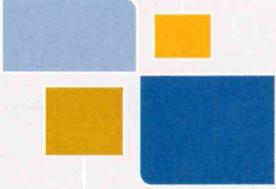


APPENDIX C

Phase I Environmental Site Assessment Proposed Verizon Ft. Irwin Fiber Project



***REVISED PHASE I ENVIRONMENTAL SITE ASSESSMENT
PROPOSED VERIZON-FT. IRWIN FIBER PROJECT
UNITED STATES ARMY GARRISON
FORT IRWIN
SAN BERNARDINO COUNTY, CALIFORNIA 92310***

ECORP CONSULTING, INC.

***NOVEMBER 17, 2015
J.N. 15-177***

November 17, 2015
J.N. 15-177
Revision 2

Mr. Jesus Olmos
ECORP CONSULTING, INC.
215 North 5th Street
Redlands, California 92374

Subject: Revised Phase I Environmental Site Assessment, Proposed Verizon-Ft. Irwin Fiber Project, United States Army Garrison, Fort Irwin, San Bernardino County, California 92310

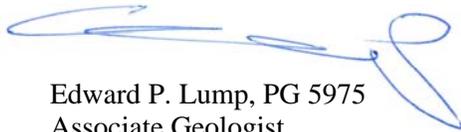
Dear Mr. Olmos:

Petra Geosciences, Inc. (Petra) is pleased to present this revised Phase I Environmental Site Assessment for the above-referenced project. This assessment has been conducted in accordance with the ECORP Consulting, Inc. Proposal No. 15-177P, revised dated March 17, 2015, and in general conformance with the scope and limitations of the standards set forth in the American Society for Testing and Materials (ASTM) Practice E 1527-13, and the EPA's All Appropriate Inquiry (AAI) regulations 40 CFR Part 312. This assessment has revealed recognized environmental concerns associated with the proposed Verizon-Ft. Irwin Fiber Project at this time. The recognized environmental concerns relate to 4 historical ranges reported and/or mapped in close proximity to the proposed project that will require consideration of potential hazardous explosives prior to construction.

This opportunity to be of service to you is sincerely appreciated. Please do not hesitate to call this office if you have questions pertaining to this report.

Respectfully submitted,

PETRA GEOSCIENCES, INC.



Edward P. Lump, PG 5975
Associate Geologist



Siamak Jafroudi, PhD, GE 2024
President, Senior Principal Engineer

EXECUTIVE SUMMARY

REVISED PHASE I ENVIRONMENTAL SITE ASSESSMENT, *PROPOSED VERIZON-FT. IRWIN FIBER PROJECT*, UNITED STATES ARMY GARRISON, FORT IRWIN, SAN BERNARDINO COUNTY, CALIFORNIA 92310

INTRODUCTION

The information presented in this report includes the results of our site reconnaissance, a review of pertinent literature, and recent federal, state, and local government agency records. Our field reconnaissance, aided by Mr. Clarence Everly (Directorate of Public Works), was performed by Mr. Levon Holmes (Environmental Assistant). Data gathering and compilation for the completion of this assessment report was performed by Mr. Edward Lump (Associate Geologist), with oversight by Dr. Siamak Jafroudi, President and Principal Engineer. Prior to the initial site reconnaissance, Mr. Holmes participated in a Range Safety Training course on the base on May 4, 2015. Mr. Holmes performed the Phase I ESA site reconnaissance on May 4 and 5, 2015. Mr. Holmes conducted a supplemental site reconnaissance on May 8, 2015 to assess a revised alignment in the vicinity of Outer Loop Road, South Loop Road, and Barstow Road subsequently proposed by Verizon.

Petra's June 18, 2015 Phase I Environmental Site Assessment report was not approved due to the absence of authoritative information on nearby historic ranges. An appointment with Ms. Justine Dishart, Chief, Environmental Management Division at the United States Army Garrison Fort Irwin, was made to research historic ranges near the proposed Verizon-Fort Irwin Fiber project on September 1, 2015. Mr. Lump reviewed three documents provided by Ms. Dishart at her office in Fort Irwin. Ms. Mary Hastings, Compliance Branch Program/Resoration Manager, also provided post research information. The purpose of this revision, therefore, is to provide additional information on historic ranges near the proposed alignment of the project.

The proposed Verizon-Ft. Irwin project consists of approximately 10 miles of underground cable using trenching along the western side of Fort Irwin Road and 1.3 miles of aerial cable placement on 14 new poles within the cantonment along Barstow Road. Historical records and agency database searches conducted by EDR (Appendix C) for preparation of this Phase I Environmental Site Assessment (ESA), consisted of a corridor study instead of a typical radius search area. A similar search was conducted in our in-house review of readily available files in the lead regulatory agencies databases for Fort Irwin (i.e., State Regional Water Quality Control Board and Department of Toxic Substances Control).

SITE DESCRIPTION AND GENERAL INFORMATION

1. Fort Irwin United States Army Garrison overall consists of 615,000± acres of Federal Land situated in the Mojave Desert, north of Interstate 15 (I-15) and approximately 35 miles northeast of Barstow, California. Generally, Fort Irwin was established in 1942 and deactivated in 1944. Fort Irwin was reactivated in 1951, and upgraded to a permanent installation in 1961; however, the facility was closed in 1971, and turned over to the State of California in 1972, where the California National Guard trained until 1980. In 1981, the Army reactivated Fort Irwin as its National Training Center.
2. The Verizon-Ft. Irwin Fiber Project plans indicate the subsurface line will start on the western side of Ft. Irwin Road approximately 5 miles south of the Main Visitor Gate. Recent revisions to the plans (i.e., preferred alignment) indicate the proposed line will continue approximately 4.5 miles north along Ft. Irwin Road, where the alignment leaves the western edge of the roadway and trends north through desert land (along a tank trail) to Barstow Road. The underground portion of the cable line continues along the western edge of Barstow Road approximately 0.2 miles, to a location where it becomes aerial and crossed over to the eastern side of Barstow Road (preferred alignment). The preferred alignment is shown to continue approximately 0.4 miles where it crosses over to the western edge of Bastogne Street and continues for approximately 0.3 miles (past Salerno Drive). The aerial line then jogs easterly to the west edge of Barstow Road for approximately 0.3 miles ending near the northeasterly side of Building P12. By comparison, the alternate aerial alignment plan depicts the aerial portion of the line continuing along the western edge of Barstow Road (from South Loop Road) approximately 1 mile (past Inner Loop Road), to the northern side of Building P25. The line extends westerly toward the Verizon Central Office (Building P12) where it ends. The planned staging area associated with the preferred and alternative alignments is situated northwesterly of the intersection of Langford Lake Road and South Loop Road, west of Buildings P950 and P952 and south of Buildings P944 and P945. The surface of the planned staging area consists of a concrete slab-on-grade with gravel fill along the edges. This area overall is described on the Ft. Irwin Location Map as “Green Acres” (DWP, 2012). A map depicting the general cable alignment and staging area is included as Figure 2.
3. The terrain associated with the proposed underground alignment of the Verizon cable south of Barstow Road, consists of undeveloped desert landscape. Generally, vegetation has been cleared along the western side of Ft. Irwin Road, creating an unimproved dirt road. The geomorphic terrain of the alignment appears to be predominantly located in young alluvial fan deposits, and a few intermittent eroded bedrock hillsides. A southeasterly sloping drainage crossing exists at approximately 1 mile north of the south end. Dirt roads and tank crossings are situated along the cable alignment. The terrain associated with the proposed aerial alignment in the cantonment area (i.e., north of Bartow Road) consists of level-graded open space areas, residential areas, community park areas, and office buildings. The preferred alignment plans (ECORP, 2015b) depicts the proposed project starts on the western side of Ft. Irwin Road, 1,000± feet north of the truck bypass lane.
4. Topographically, the Fort Irwin cantonment is located within an alluvial basin sloping gently from west-northwest to east-southeast. Site elevations are on the order of 2,400± feet to 2,600± feet above mean sea level (msl). South of the cantonment area, topography suggests northerly and easterly sloping alluvial fans with intermittent (generally) southeast-northwest trending ridges. Approximately 0.5 miles south of the Visitor Center, which represents the highest elevation area of the proposed alignment at 3,200± feet above msl, alluvial fans slope in a southerly and easterly

direction, with intermittent ridges trending in an overall east to west orientation. The southernmost proposed start location of the utility line is at an elevation on the order of 2,380 feet above msl.

5. The proposed project alignment south of the cantonment will encounter predominantly undeveloped desert landscape. Surface soils are sands and gravelly sands with rock fragments typically less than 6-inches in one dimension. Dirt roads/trails are common along the western side of Ft. Irwin Road, some of which appeared to be actively utilized. Commonly, asphaltic concrete and concrete pavement (at tank crossings) were observed along Ft. Irwin Road south of the cantonment. Curb, gutter and sidewalks do not exist except within the cantonment. Gravel was observed surrounding the concrete slab in the planned staging area. Site vegetation within residential and other building areas consists of gravel with light to moderate irrigated and non-irrigated landscape.
6. Based on readily available historical topographic maps and aerial photographs of the proposed Verizon-Ft. Irwin Fiber Project, the current alignment of Ft. Irwin Road did not appear to be present in 1933. Maps from this time depicted Barstow Road situated further south, in the vicinity of Garlic Springs and Langford Lake. In 1947 Ft. Irwin Road was noted with some alignment differences from today, including (but not limited to) Ft. Irwin Road intersecting Barstow Road directly within the cantonment. Minimal changes were observed to Ft. Irwin Road south of the cantonment area from 1947 to 2002, except changes in adjacent dirt road/trail activity. The proposed utility alignment along Barstow Road, between Inner Loop Road and Langford Lake Drive was a part of Fort Irwin's development from at least 1947 to the present. The area on the west side of Barstow Road, between Outer Loop Road and Inner Loop Road, was partially developed from at least 1979 to the present. Land on the east side of Barstow Road, between Outer Loop Road and Inner Loop Road, appeared as undeveloped until sometime between 2000 and 2005 when residential development was depicted between Rhineland Drive and Salerno Road.

Historically, Ft. Irwin was used as an artillery and anti-aircraft firing range and maneuver area. The constituents of concern are listed as unexploded ordinances (UXO) and munitions and explosives of concern (MEC). Based solely upon the information provided, the potential for UXO to be encountered during excavation and construction of the proposed Verizon-Ft. Irwin Fiber Project cannot be entirely precluded.

7. Military Munitions Response Program (MMRP) sites were identified within the Fort Irwin National Training Center. Our review of the 14 historical Closed, Transferring and Transferred (CTT) ranges indicated that the Small Arms Range (FTIR-004-R-01) backstop berms were situated near the southeasterly intersection of Barstow Road and Langford Lake Road (range fan to the south) in the early 1940's. This range was a combination of several small arms ranges with firing locations in approximately the same area and range fans overlap. The westerly portion of the Small Arms Range included the Rifle Range and the westerly portion included the Transition Range. Final maps depicting the boundaries of the Small Arms Range, active from the early 1940's to the mid 1980's, indicate that the former limits of the Small Arms Range encroaches into the northern section of the proposed Verizon-Ft. Irwin Fiber Project (Figure 3).

Although not discussed in the MMRP or CTT site documents provided during our research at the Environmental Management Division, 3 additional ranges were identified on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road south of the Main Gate, in the approximate vicinity of project mile marker 3.5± to 4.5± (Figure 4). A Fort Irwin General Site Map from 1969 depicted the Scorpion Range in the

same area as Bombing Range M, and the Lizard Gulch Range on the east side of Ft. Irwin Road near mile marker 0.0± to 1.5± of the Verizon-Ft. Irwin Fiber Project (Figure 5).

Operational Ranges within the southern third of Fort Irwin National Training Center property, where the Verizon-Ft. Irwin Fiber project is planned, consists predominantly of maneuver/training areas. It is reported that munitions used in these areas consist of small and large caliber blanks (5.56mm, 7.62mm, .50 caliber, 12-gage, 90mm and 105mm), pyrotechnic/obscurant (tear gas [CS] hand grenades, simulator pyro main tank guns, simulator launch rockets, simulator explosive booby traps, and simulator projectile ground bursts) and other (i.e., 2.75-inch HE rocket warheads, flares and signals). One of the maneuver/training ranges reportedly also included large caliber and large caliber practice munitions.

8. Irwin Basin is a nearly closed aquifer system linked to the Langford Basin to the southeast (USACE, 2010). Groundwater production Well I-1 is mapped by the State Department of Water Resources in the cantonment along Barstow Road, near the northwesterly corner with Salerno Drive. Additional wells mapped in the cantonment portion of the proposed utility alignment, report groundwater at depths on the order of 240 feet. Wells mapped in other areas along the alignment, near the south end of the project, have historical data reporting groundwater at 350 to 400 feet in depth.
9. Exterior pole-mounted and ground transformers were observed along the proposed alignment within the cantonment during our reconnaissance. An electrical substation was observed near the Main Visitor Center on the western side of Ft. Irwin Road. From a visual standpoint, transformers throughout appeared to be in good condition.
10. Above ground storage tanks (ASTs), underground storage tanks (USTs), hazardous materials product containers/drums, hazardous waste storage enclosures, above-ground petroleum product dispenser lines, parts cleaning tanks, boiler rooms, air compressors and flammable storage cabinets were not observed in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project, with the exception of 4 aboveground diesel storage tanks observed southeast of the proposed staging area (i.e., Buildings P950 and P951). These ASTs are separated from the planned staging area by chain-link fencing and a boulder barricade. In addition, an emergency generator with attached diesel fuel tank was observed near Building P12.
11. No sites were identified in our search of various government agency database records, which appear to have impacted soils or groundwater beneath the subject site, except for and an open assessment case regarding waste electrolyte disposal pits situated north of the planned staging area. These cases are identified by the State Regional Water Quality Control Board as FTIR-12A and -12B, and related to Buildings 941 and 946. A second case near the planned staging area was noted. The case is associated with a former waste oil underground storage tank that reportedly affected soil only, and is mapped near the corner of South Loop Road and Langford Lake Road. This "Closed" case is identified by the State Regional Water Quality Control Board as FTIR-28. These listings would typically be considered a recognized environmental concern since it is in close proximity (north) to, and up groundwater gradient from the staging area; however, since subsurface excavations are not anticipated in the staging area as well as the staging area consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

12. There was no evidence of sumps, pits, pools, or lagoons visually identified in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project; however, waste electrolyte disposal pits were reported to have existed north of the staging area (Buildings 941 and 946).

RECOGNIZED ENVIRONMENTAL CONDITIONS

Recognized environmental conditions are defined by the American Society of Testing and Materials (ASTM) as any hazardous substance or petroleum product under conditions that indicate an existing, past, or material threat of release into the structures, ground, groundwater, or surface water at the subject site. If the presences of recognized environmental conditions are identified on a subject site, it may warrant additional research, site evaluation, and/or action.

Controlled recognized environmental conditions (CREC'S) are defined by the American Society of Testing and Materials (ASTM) Practice E 1527-13 as a recognized environmental condition resulting from the past *release of hazardous substances or petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority (i.e., as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with *hazardous substances or petroleum products* allowed to remain in place subject to the implementation of required controls. For example, if a leaking underground storage tank has been cleaned up to a commercial use standard but does not meet unrestricted residential cleanup criteria, this would be considered a controlled recognized environmental condition. The "control" is represented by the (inferred) restriction that the property remains commercial.

Historical recognized environmental conditions (HREC'S) are defined by the American Society of Testing and Materials (ASTM) Practice E 1527-13 as a past release of any *hazardous substances or petroleum products* that has occurred in connection with the *property* and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory, without subjecting the *property* to any required controls (i.e., *property* use restrictions, *activity and use limitations, institutional controls or engineering controls*).

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Proposed *Verizon-Ft. Irwin Fiber Project*, located at United States Army Garrison, Fort Irwin, San Bernardino County, California. Any exceptions to, or deletions from, this practice are described in section titled data gaps of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the proposed Verizon-Ft. Irwin Fiber project, except the following:

1. Military Munitions Response Program (MMRP) sites were identified within the Ft. Irwin National Training Center based upon assessment of historic maps and readily available regulatory databases. Based upon our research with the Fort Irwin Environmental Management Division, there is one, Closed, Transferring and Transferred (CCT) range (i.e., Small Arms Range) situated in close proximity to the north portion of the proposed Verizon-Ft. Irwin Fiber project that may affect the proposed construction. The Small Arms Range is mapped along the eastern edge of Barstow Road, between Langford Lake Road and Outer Loop Road, including the intersection of Ft. Irwin Road and Outer Loop Road (Figure 3). The Small Arms Range is considered a recognized environmental concern, particularly within undeveloped areas of the former range. Petra recommends that proposed construction work areas in close proximity to this range be cleared of military munitions, unexploded ordinance (UXO), discarded military munitions, and munitions constituents prior to the start of excavation.
2. Three additional ranges were identified solely on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road in the area of project mile marker 3.5± to 4.5± (Figure 4). A Fort Irwin 1950's Ranges and Airfield Facilities map and General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the west side of Ft. Irwin Road near project mile marker 0.0± to 1.5± of the project (Figure 5). Military munitions, UXO, discarded military munitions, and munitions constituents, which may exist within the 3 ranges, are considered hazardous materials as defined by the Resource Conservation Recovery Act (RCRA). Petra recommends that proposed construction work areas within or in close proximity to the 3 ranges be cleared of military munitions, unexploded ordinance (UXO), discarded military munitions, and munitions constituents prior to the start of excavation.

SITE CONSIDERATIONS

The following items are not considered recognized environmental conditions in accordance with ASTM 1527-13. However, these items may warrant considerations in conjunction with any planned development activities. The information regarding possible actions relative to these items has been provided as guidance.

- As with any historic military camp or active duty installation, the potential for military munitions to be encountered during utility construction cannot be completely precluded. As a result, consideration may be given to having the approved alignment of the Verizon-Ft. Irwin Fiber Project, in undeveloped areas, evaluated for military munitions, UXO's, discarded military munitions, and munitions constituents prior to the start of excavations.

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**REVISED PHASE I ENVIRONMENTAL SITE ASSESSMENT,
PROPOSED VERIZON-FT. IRWIN FIBER PROJECT,
UNITED STATES ARMY GARRISON, FORT IRWIN,
SAN BERNARDINO COUNTY, CALIFORNIA 92310**

INTRODUCTION

The information presented in this report includes the results of our recent field reconnaissance, a review of various federal, state, and local government agency records, a review of previous reports for the site, and a review of historic aerial photographs and topographic maps for the site vicinity. This report includes a summary of our findings, our opinion as to the current environmental condition of the site, and recommendations for additional work, if needed.

Purpose

This assessment was conducted to determine if any recognized environmental conditions exist on or near the Verizon-Ft. Irwin Fiber Project alignment. Recognized environmental conditions are defined by the American Society for Testing and Materials (ASTM) as any hazardous substance or petroleum product under conditions that indicate an existing, past, or material threat of release into the structures, ground, groundwater, or surface water at the subject site.

This assessment is also intended to be in general conformance with the requirements for conducting all appropriate inquiries into the previous ownership and uses of a property for the purposes of meeting all appropriate inquiries and provisions necessary to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) within the time allotted by the Client.

We have performed this assessment in conformance with the scope and limitations of the standards set forth in the (American Society for Testing and Materials (ASTM) Practice E 1527-13 and the EPA's All Appropriate Inquiry (AAI) regulations 40 CFR Part 312. The findings in this report are based upon Petra's previous work within Fort Irwin (Petra, 2014a, 2014b, 2014c), published geologic and hydrogeologic information, and information (both documentary and oral) provided by onsite personnel at Fort Irwin Environmental Management Division, the County of San Bernardino, ECORP Consulting, Inc., Environmental Data Resources, Inc. (EDR®) (i.e., agency database search), various state and federal agencies, and Petra's field observations. Some of this data is subject to change over time. Some of this data is based on information not currently observable or measurable, but recorded by documents or orally reported by individuals.

Involved Parties

This report was prepared by Petra Geosciences, Inc. (Petra), at the request of ECORP Consulting, Inc. (Client) for their exclusive use and the US Army Corps of Engineers (and subsidiaries), and becomes property of the United States Army. Use of this report or reliance thereon by other parties or projects is not authorized. The report may not be suitable for other parties or other purposes.

SCOPE OF PHASE 1 ENVIRONMENTAL SITE ASSESSMENT

The scope of this assessment included the following:

1. Performing a site reconnaissance to identify the current conditions and land use of the subject site and adjoining properties, during which visual evidence of prior uses of the subject site and adjoining properties were noted. The site reconnaissance included an observation of the site(s) surface and the immediate site(s) perimeter.
2. Researching historical land use of the subject site and vicinity by reviewing available historical aerial photographs, United States Geological Survey (USGS) topographic maps, city directories, and other reasonably ascertainable maps and data provided by EDR.
3. Performing a literature evaluation to identify local and regional geological conditions.
4. Obtaining and reviewing a search of pertinent federal, state, and local regulatory agency databases concerning environmental conditions on and in the vicinity of the site provided by EDR, as well as in-house review of "other" pertinent agency databases. As specified in the ASTM and AAI standards, the following databases were searched using, at a minimum, the recommended corridor study search radius:
 - Federal National Priority List (NPL) site list,
 - Federal Delisted NPL site list,
 - Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) site list,
 - Federal CERCLIS- No Further Remedial Action Planned (CERC-NFRAP) site list,
 - Federal Resource Conservation and Recovery Act Information (RCRA) Corrective Action Report (CORRACTS) facilities list,
 - Federal RCRA non-CORRACTS Treat, Store and Dispose (RCRA-TSD) facilities list,
 - Federal RCRA generators list,
 - Federal institutional control/engineering control registries,
 - Federal Emergency Response Notification System (ERNS) list,
 - State and tribal lists of hazardous waste sites identified for investigation or remediation including: State- and tribal-equivalent NPL, State, and tribal-equivalent CERCLIS lists,
 - State and tribal landfill and/or solid waste disposal site lists,
 - State and tribal leaking storage tank lists,
 - State and tribal registered storage tank lists,
 - State and tribal institutional control/engineering control registries,
 - State and tribal voluntary cleanup sites, and
 - State and tribal Brownfield sites.

In the interest of thoroughness, numerous non-ASTM and non-AAI required databases were also searched. These databases are listed and discussed in the database search included within this report.

5. Contacting and interviewing knowledgeable persons, such as property owners, managers, and representatives of local government agencies regarding historical site use and current site conditions, if possible.
6. Evaluating the presence of recognized environmental conditions at the subject site through visual observation and research of reasonably ascertainable records. Recognized environmental conditions may include the presence of hazardous materials, petroleum products, underground storage tanks, above ground storage tanks, drums, chemical containers, polychlorinated biphenyls, liquid or solid wastes, oil wells, and areas indicative of potential contamination including stained soils and/or pavement, stressed vegetation, drains, sumps, pits, ponds, lagoons, odors, and water wells.
7. Preparing a report presenting the results of our assessment.

Unless listed above, this assessment does not include any testing or sampling of materials (such as an assessment for the potential presence of methane or radon, asbestos or lead-based paints, or the sampling and testing of soil, air, surface water, or groundwater). This assessment does not include evaluating the site for the presence of wetlands, regulatory compliance, or other items beyond the scope of ASTM E 1527-13 or 40 CFR Part 312, nor is it an assessment for vapor intrusion as defined by ASTM E 2600-10.

SITE OVERVIEW

According to the California Division of Oil, Gas and Geothermal Resources Well Finder website, the northern portion of the proposed Verizon-Ft. Irwin Fiber Project is within Section 32, Township (T) 14 North (N), Range (R) 03 East (E). Following the alignment along Ft. Irwin Road to the south, it is within Sections 6 and 7, T13N, R03E; Sections 12-14, 22, 23, 27 and 34, T13N, R02E; and Sections 3, T12N, R02E of the San Bernardino Base and Meridian. Site elevations in the cantonment area (gently sloping from northwest to southeast) are on the order of 2,600± feet to 2,400± feet. An area approximately 0.5 miles south of the Visitor Center represents the highest elevation area of the proposed alignment at 3,200± feet above msl. The southernmost of the utility line is at an elevation on the order of 2,380 feet above msl. Based upon Petra's review of the San Bernardino County Assessor's Index Map, the proposed utility alignment is located solely within Fort Irwin Military Reservation. A site location map is included as Figure 1.

As depicted on Goggle Earth™, the southern end of the proposed alignment (Verizon, 2015) is located at 35.1554° N latitude, -116.7670° W longitude. The northern portion of the proposed alignment (ECORP,

2015) is located at 35.2596° N latitude, -116.6901° W longitude. A plan depicting the current alignment of the subject project area is included as Figure 2.

PREVIOUS LAND USE

Based upon our review of a pertinent document regarding the history of Fort Irwin, California (USAEC, 2007), the subject property was established as a part of the Mojave Antiaircraft Range by President F.D. Roosevelt in 1940. Fort Irwin was established in 1942 and deactivated in 1944. In response to the Korean War, Fort Irwin was reactivated in 1951, and upgraded to a permanent installation in 1961; however, the facility was closed in 1971, and turned over to the State of California in 1972, where the California National Guard trained until 1980. In 1981, the Army reactivated Fort Irwin as its National Training Center.

Based on the readily available United States Geological Survey (USGS) historical topographic maps (obtained by Petra) and aerial photographs (obtained by EDR®) during this assessment, land associated with the proposed Verizon-Ft. Irwin Fiber Project, south of the Visitor Center on Ft. Irwin Road, appeared to be undeveloped desert land from at least 1933 to the present. Dirt roads/trails were noted on or near the alignment of the proposed project historically and at the present time. A 1933 map depicted Barstow Road south of the current Ft. Irwin Road alignment, intersecting Langford Lake Road near Garlic Springs. From 1947 to sometime after 1983 and before 1989, there was no break in the alignment between Ft. Irwin Road and Barstow Road near the cantonment; however, there appeared to be minor alignment changes to Ft. Irwin Road elsewhere between 1947 and 1979. A 1945 range map depicted the Small Arms Range along the eastern edge of Barstow Road, near the northern alignment of the Verizon-Ft. Irwin Fiber Project. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road in an area roughly 1+ mile south of the current location of the Main Gate. A Fort Irwin 1950's Ranges and Airfield Facilities map and General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the west side of Ft. Irwin Road near the southern end of the Verizon-Ft. Irwin Fiber Project. There were no other readily discernable site improvements to the proposed project alignment between the Visitor Center and Outer Loop Road except for what appeared to be 3 small structures noted in a 1983 aerial photograph. It appeared that these structures may have been associated with the new construction of Outer Loop Road. Within the cantonment, predominantly residential and school developments were observed on the west side of Barstow Road, from Outer Loop Road to Selerno Drive in 1983. Residential and school development on the east side of Barstow Road was first noted in a Google Earth™ photo from 2005. The Child

Development Center (CDC) at the northeast corner of Outer Loop Road and Barstow Road was first observed in a Google Earth™ photo from 2013.

Land use in the northern area of the proposed project near the northwesterly corner of Barstow Road and Inner Loop Road was observed from 1947 to the present. It appeared that initial use of the area may have been related to barracks. Development at the northern end of the project was observed to be similar to conditions observed today from at least 1994.

Land use in the area of the proposed staging area, near the southwesterly corner of Langford Lake Road and South Loop Road, was observed from 1947 to the present. It appeared that initial use of the area may have been related to barracks with intermittent use for equipment and/or vehicle storage in 1994 and 1995. During this period the u-shaped concrete slab was visible in its current location. What appeared to be 4 relatively large above-ground (green) storage tanks were visible on the concrete slab in or near the proposed staging area only in 2005. Although not directly visible due to a canopy, there are above-ground fuel storage tanks situated southeasterly of the staging area, at the southwestern corner of Langford Lake Road and South Loop Road (POL Building P950).

PREVIOUS REPORTS

Numerous environmental reports pertaining to Fort Irwin were reviewed by Petra, and utilized herein, as well as in Petra's Phase I Environmental Site Assessment report (2014c), on the waste to energy plant at Fort Irwin. In addition the report included an assessment of numerous buildings within the cantonment. Petra reviewed readily available environmental reports and agency correspondences on the State Water Quality Control Board's GeoTracker and the Department of Toxic Substances Control's Envirostor website databases pertaining to Fort Irwin and the Verizon-Ft. Irwin Fiber Project. This information is provided later in this report.

The following is a summary of the *Army Defense Environmental Restoration Program Installation Action Plan* report (USAEC, 2007) report, which identified Installation Restoration Program (IRP) sites and Military Munitions Response Program (MMRP) sites within the Fort Irwin National Training Center. Where applicable, Petra's comments are provided in *italics*.

FTIR-12(Buildings 946 and 941) – This site is described as waste electrolyte disposal pits with no additional description provided. Review of a 2007 Army Defense Environmental Restoration Program Installation Action Plan report for Fort Irwin, noted that this case is listed on the, "Response Complete (No Further Action) Summary" list from September 1998. (*Petra: The site history presented on GeoTracker reported that a record of decision document has not been prepared. As reported on*

GeoTracker, the cleanup status of the site is reported as, "Open-Site Assessment" as of March 30, 2007. The potential contaminants of concern are reported as, "None Specified." The potential media affected is not identified. This listing would typically be considered a recognized environmental concern since it is in close proximity (north) to, and up groundwater gradient from the staging area; however, since subsurface excavations are not anticipated in the staging area as well as the staging area consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time).

MMRP sites are described as other than operational ranges where unexploded ordinance (UXO), DMM and munitions constituents (MC) are known or suspected, and the release occurred prior to September 30, 2002. The 2007 Army Defense Environmental Restoration Program Installation Action Plan report for Fort Irwin identified 14 MMRPs designated as FTIR-001-R-01 to FTIR-013-R-1 and FTIR-015-R-01. In all of these sites, the affected media is reported as soil. *(Petra: It should be noted that these FTIR site numbers are similar to FTIR site numbers utilized by the Department of Toxic Substances Control [DTSC] and Regional Water Quality Control Board [RWCQB] databases associated with other hazardous material sites discussed later in this report. For example, FTIR-13 is identified as a Hazardous Waste Storage Facility associated with Building 703. FTIR-013-R-01 is identified as Combat Range 1).*

It was stated that "No Further Action" will be required at all sites except FTIR-003-R-01, where additional investigation and remedial soil removal will be required followed by institutional controls (USAEC, 2007). FTIR-003-R-01, identified as GALCIT and ORDCIT Project areas, is located in the Goldstone Lake area, in the mountains west of the Fort Irwin cantonment. *(Petra: Based upon the location and distance of this range from the cantonment and the Verizon-Ft. Irwin project, this site is not anticipated to represent an environmental concern to the Verizon-Ft Irwin Fiber Project at this time).* MMRP sites that are generally described as potentially within the proposed project area are summarized below.

FTIR-002-R-01 is identified as Bombing Range 1. Based solely upon a 1945 map, this site was used for 100-pound practice bombs, and 363 acres of the site is situated within the cantonment area. The remaining area is located within the operational area. According to a 1948 map, the range was de-dudded by an Explosive Ordinance Disposal Team (EOD). There have been no other UXO responses reported at the site (USAEC, 2007). *(Petra: Based upon our research, this MMRP site is not encroached upon by the proposed Verizon-Ft. Irwin Fiber Project).*

FTIR-004-R-01 is identified as a Small Arms Range located in a housing area within the cantonment. The site was reportedly sampled and cleared in 2003. *(Petra: Based upon information provided by Ms. Hastings with the Fort Irwin Environmental Management Division, this range was not cleared, and typically small arms ranges are not cleared; however, the soil was sampled).* There have been no known UXO responses reported at this site. *(Petra: Based upon our research, this MMRP site is in close proximity and/or encroaches upon the northern portion of the proposed Verizon-Ft. Irwin Fiber Project).*

FTIR-007-R-01 is identified as the Pistol Range situated within the industrial portion of the cantonment. It was reportedly used in the 1950's to 1983. There have been no known UXO responses reported at this site. *(Petra: Based upon our research, this MMRP site is not encroached upon by the proposed Verizon-Ft. Irwin Fiber Project).*

FTIR-008-R-01 is identified as the Hand Grenade Range in which one live grenade and several practice grenades were reportedly found prior to building construction within the cantonment area. *(Petra: Based*

upon discussions with Ms. Hastings with the Fort Irwin Environmental Management Division, no live grenades were ever encountered on the Hand Grenade Range). There have been no known UXO responses reported at this site. (Petra: Based upon research, this MMRP site is not encroached upon by the proposed Verizon-Ft. Irwin Fiber Project).

FTIR-012-R-01 is listed as the Carbine Transition Range comprising roughly 450 acres. This range is located south of the cantonment area, and extends from the north to the south into the operational area. Office buildings are now constructed on portions of this site. There have been no known UXO responses reported at this site. *(Petra: Based upon our research, this MMRP site is not encroached upon by the proposed Verizon-Ft. Irwin Fiber Project).*

FTIR-013-R-01 is listed as Combat Range 1 comprising approximately 2,100 acres. The non-operational area of the range is located south of the cantonment area and is undeveloped. The remaining portion, within the operational area, is actively used for maneuvers. There have been no known UXO responses reported at this site. *(Petra: Based upon our research, this MMRP site is not encroached upon by the proposed Verizon-Ft. Irwin Fiber Project).*

ENVIRONMENTAL SETTING

The following section provides an overview of the regional and local geologic setting and includes information pertaining to groundwater conditions in the vicinity of the subject site. Geotechnical hazard information (faults, landslides, etc.) is not part of this assessment. This section does not constitute a geotechnical investigation of the subject site and should not be taken as such.

Geology

The subject property and vicinity is situated in Irwin Basin, within the Mojave Desert Geomorphic Province of California (CGS, 2002). The Mojave Province is a broad interior region of isolated mountain ranges separated by expanses of desert plains. The province has interior enclosed drainage and many playas. This province is situated between the Garlock Fault (on the north) and the San Andreas Fault (on the southwest). The northern boundary of the Mojave Geomorphic Province is separated from the Basin and Range by the easterly extension of the Garlock Fault, and is bounded by the Colorado Desert Geomorphic Province on the south and the Transverse Ranges Geomorphic Province on the west (CGS, 2002).

Based upon regional geologic maps (Jennings, Burnett and Troxel, 1962), the main cantonment area of Fort Irwin is mapped as being underlain by Quaternary-age Alluvium. Irwin Basin is reportedly underlain by up to 950 feet of late Tertiary to Quaternary-age (young) unconsolidated alluvial fan deposits (US Army Corps of Engineers, 2013). These Alluvial Fan deposits consist of sandy gravels, gravelly sands and sands eroded from the surrounding mountains (US Army Corps of Engineers, 2013). The southerly portion of the cantonment is mapped as being underlain by Holocene age “modified land” or areas

modified by man (Yount, et. al., 1994). Holocene-age “Young” Alluvial Fan Deposits are mapped between South Loop Road and the Visitor Center. These units are described as typically consisting of coarse-grained fragments (cobbles and boulders) near the mountain fronts and sandier in the lower portions of the fans. South of the Visitor Center, Cretaceous-age granitic bedrock is mapped intermittently with Holocene-age “Young” Alluvial Fan Deposits (Yount, et. al., 1994). Further south, the area along the proposed alignment is mapped as Recent (Holocene) alluvium with the adjacent mountains mapped as Mesozoic granitic rocks (Jennings, et. al., 1962).

Based on our review of published geologic maps, no active faults are known to project through the proposed utility alignment area, and no portion of the subject site lies within an Earthquake Fault Hazard Zone as designated by the State of California pursuant to the Alquist-Priolo Earthquake Zoning Act (Bryant and Hart, 2007). The closest known active earthquake faults (i.e., movement in the last 11,700 years) to the Fort Irwin cantonment area are the Lenwood Fault (12± miles southwest); the Garlock Fault zone (23.5± miles north); the Blackwater Fault (25± miles west); the Calico-Hidalgo Fault zone (30± miles south); the Harper Fault zone (30± miles west); the Lavic Lake Fault zone (45± miles south-southeast); the Camp Rock-Emerson-Copper Mountain Fault zone (50± miles south-southwest); and the San Andreas Fault zone (58± miles southwest) (USGS, 2008; Jennings and Bryant, 2010). The Calico-Hidalgo Fault zone, Lavic Lake Fault, Camp Rock-Emerson-Copper Mountain Fault zone, and the San Andreas Fault zone are all reported with displacement within the last 150 years (Jennings and Bryant, 2010). State of California Seismic Hazard Zone maps have not been created for this area (CDMG, 2002).

Surface Water

No indication of surface water was observed directly on or within the immediate area of the proposed Verizon-Ft. Irwin Fiber Project at the time of our field assessment.

Groundwater

The Fort Irwin cantonment area is located within the Langford Hydrologic Subarea of the Alton Hydrologic Area of the Mojave Hydrologic Unit, within the South Lahotan Regional Water Quality Control Board, Region 6 (SARWQCB, 1995). Locally, Fort Irwin is within the Irwin Sub-Basin (6-36.02) of the Langford Valley Basin (6-36). Beneficial uses of groundwater in this Sub-Basin are listed for municipal and domestic supply, agricultural supply, industrial supply, and Freshwater Replenishment in the Basin Plan (SWRQCB, 1995).

There is a number of public water wells listed within Fort Irwin in the CDWR water data library (CDWR, 2015). For the purposes of this assessment, Petra reviewed data from 3 wells mapped closest to the proposed utility alignment in the cantonment. State Well No. 35266N1166932W001 is mapped near the intersection of Barstow Road and Salerno Drive. The most recent data available reported a groundwater depth of 251± feet in 2010. State Well No. 352444N1167082W001 is mapped near the preferred alignment on the west side of Ft. Irwin Road, approximately 0.3 of a mile south of South Loop Road and Barstow Road. The most recent data available reported a groundwater depth of 350± feet in 1988. State Well No. 351381N116769W001 is mapped south of the southern end of the proposed alignment, east of the intersection of Paradise View Road and Sandy Lane. The most recent data available reported a groundwater depth of 400± feet in 2010.

Based solely upon surface topography and assumed basin geometry, groundwater flow in the main cantonment area is anticipated to flow in an easterly direction.

RESULTS OF ASSESSMENT

The results of our site reconnaissance and observation of adjacent sites, agency database review, and historical land use study are presented in the following sections.

Site Reconnaissance

Petra conducted a reconnaissance of the proposed Verizon-Ft. Irwin project on May 4 and 5, 2015. A supplemental site reconnaissance was completed on May 8, 2015 due to a revised alignment. Representative site photographs are included as Appendix A. Our site observations are summarized below.

1. Fort Irwin United States Army Garrison overall consists of 615,000± acres of Federal Land situated in the Mojave Desert, north of Interstate 15 (I-15) and approximately 35 miles northeast of Barstow, California. Generally, Fort Irwin was established in 1942 and deactivated in 1944. Fort Irwin was reactivated in 1951, and upgraded to a permanent installation in 1961; however, the facility was closed in 1971, and turned over to the State of California in 1972, where the California National Guard trained until 1980. In 1981, the Army reactivated Fort Irwin as its National Training Center.
2. The Verizon-Ft. Irwin Fiber Project plans indicate the subsurface line will start on the western side of Ft. Irwin Road approximately 5 miles south of the Main Visitor Gate. Recent revisions to the plans (i.e., preferred alignment) indicate the proposed line will continue approximately 4.5 miles north along Ft. Irwin Road, where the alignment leaves the western edge of the roadway and trends north through desert land (along a tank trail) to Barstow Road. The underground portion of the cable line continues along the western edge of Barstow Road approximately 0.2

miles, to a location where it becomes aerial and crossed over to the eastern side of Barstow Road (preferred alignment). The preferred alignment is shown to continue approximately 0.4 miles where it crosses over to the western edge of Bastogne Street and continues for approximately 0.3 miles (past Salerno Drive). The aerial line then jogs easterly to the west edge of Barstow Road for approximately 0.3 miles ending near the northeasterly side of Building P12. By comparison, the alternate aerial alignment plan depicts the aerial portion of the line continuing along the western edge of Barstow Road (from South Loop Road) approximately 1 mile (past Inner Loop Road), to the northern side of Building P25. The line extends westerly toward the Verizon Central Office (Building P12) where it ends. The planned staging area associated with the preferred and alternative alignments is situated northwesterly of the intersection of Langford Lake Road and South Loop Road, west of Buildings P950 and P952 and south of Buildings P944 and P945. The surface of the planned staging area consists of a concrete slab-on-grade with gravel fill along the edges. This area overall is describes on the Ft. Irwin Location Map as "Green Acres" (DWP, 2012). A map depicting the general cable alignment and staging area is included as Figure 2.

3. The terrain associated with the proposed underground alignment of the Verizon cable south of Barstow Road, consists of undeveloped desert landscape. Generally, vegetation has been cleared along the western side of Ft. Irwin Road, creating an unimproved dirt road. The geomorphic terrain of the alignment appears to be predominantly located in young alluvial fan deposits, and a few intermittent eroded bedrock hillsides. A southeasterly sloping drainage crossing exists at approximately 1 mile north of the south end. Dirt roads and tank crossings are situated along the cable alignment. The terrain associated with the proposed aerial alignment in the cantonment area (i.e., north of Bartow Road) consists of level-graded open space areas, residential areas, community park areas, and office buildings. The preferred alignment plans (ECORP, 2015b) depicts the proposed project starts on the western side of Ft. Irwin Road, 1,000± feet north of the truck bypass lane.
4. Topographically, the Fort Irwin cantonment is located within an alluvial basin sloping gently from west-northwest to east-southeast. Site elevations are on the order of 2,400± feet to 2,600± feet above mean sea level (msl). South of the cantonment area, topography suggests northerly and easterly sloping alluvial fans with intermittent (generally) southeast-northwest trending ridges. Approximately 0.5 miles south of the Visitor Center, which represents the highest elevation area of the proposed alignment at 3,200± feet above msl, alluvial fans slope in a southerly and easterly direction, with intermittent ridges trending in an overall east to west orientation. The southernmost proposed start location of the utility line is at an elevation on the order of 2,380 feet above msl.
5. The proposed project alignment south of the cantonment will encounter predominantly undeveloped desert landscape. Surface soils are sands and gravelly sands with rock fragments typically less than 6-inches in one dimension. Dirt roads/trails are common along the western side of Ft. Irwin Road, some of which appeared to be actively utilized. Commonly, asphaltic concrete and concrete pavement (at tank crossings) were observed along Ft. Irwin Road south of the cantonment. Curb, gutter and sidewalks do not exist except within the cantonment. Gravel was observed surrounding the concrete slab in the planned staging area. Site vegetation within residential and other building areas consists of gravel with light to moderate irrigated and non-irrigated landscape.

6. Exterior pole-mounted and ground transformers were observed along the proposed alignment within the cantonment during our reconnaissance. An electrical substation was observed near the Main Visitor Center on the western side of Ft. Irwin Road. From a visual standpoint, transformers throughout appeared to be in good condition.
7. Above ground storage tanks (ASTs), underground storage tanks (USTs), hazardous materials product containers/drums, hazardous waste storage enclosures, above-ground petroleum product dispenser lines, parts cleaning tanks, boiler rooms, air compressors and flammable storage cabinets were not observed in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project, with the exception of 4 aboveground diesel storage tanks observed southeast of the proposed staging area (i.e., Buildings P950 and P951). These ASTs are separated from the planned staging area by chain-link fencing and a boulder barricade. In addition, an emergency generator with attached diesel fuel tank was observed near Building P12.
8. There was no evidence of sumps, pits, pools, or lagoons visually identified in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project; however, waste electrolyte disposal pits were reported to have existed north of the staging area (Buildings 941 and 946).

Adjacent Site and Vicinity Observations

The subject Verizon-Ft. Irwin Fiber Project route within the cantonment is situated in a mix of residential, community parks, headquarters and operations, commercial, and industrial land use areas. Typically, the subject residential structures are related to residential tract-type development and typical landscaping. Headquarters and operations buildings are surrounded by similar land use with localized commercial development.

Outside of the cantonment, the Verizon-Ft. Irwin Fiber Project alignment is situated off the western edge of Ft. Irwin Road, typically within unimproved roads and tank trails among typical desert landscape.

Government Agency Database Research

A search of federal, state, and local government listings was performed by Environmental Data Resources, Inc. (EDR) for the purposes of this assessment report, utilizing a corridor-type search boundary of 1 mile from the proposed alignment. The search distance used for all government databases meets or exceeds the standard search distance adopted by ASTM and AAI.

Results of Agency Records Search

A data search of the various government agency records listed in Appendix C revealed 2 sites associated with the Fort Irwin cantonment area and 2 located south of the southern end of the project area. Initial assessment indicated that none of the listings were located in close proximity to the proposed excavation portion of the project alignment. In-house review of the Department of Toxic Substances Control

(DTSC) Envirostor database identified 39 listings for the Fort Irwin National Training Center. One hundred and forty nine orphan sites (sites with inadequate address information to be mapped by EDR) were identified during the agency database search. Refer to the EDR Report in Appendix C. A brief description of the sites listed in the EDR report, which are of potential concern due to the nature of the listing or their proximity to the site, is provided below:

Map ID 1, Bicycle Lake AA Range/Camp Irwin (20 miles NE of) Barstow, CA

This site is mapped within the cantonment area of Ft. Irwin, on Barstow Road between 2nd and 3rd Street, mapped approximately ¼-mile northeast of the northerly end of the proposed Verizon-Ft. Irwin Fiber Project. This site is reported on the Department of Defense (DOD), Envirostor, and U.S. Army Corps of Engineers Formerly Used Defense Sites (FUDS) databases. The status of the Bicycle Lake AA Range listing is reported as, “Inactive-Needs Evaluation” with a status date of July 1, 2005. The potential Constituents of Concern are listed as explosives (UXO, MEC). No additional information was provided. The FUDS database listing provided a description of the Manix Tank Trail. The northern end of the Trail reportedly departs the southern boundary of Ft. Irwin at Section 20, T12N, R03E. The location of disposed Tract 219 was reported in Section 29 of T12N, R3E. It was reported that there was no visible indication that the Tract was ever developed. The location of disposed Tract 220 was in Section 5, T01N, R03E. It was reported that there was no visible indication that the Tract was ever developed. It is believed that Tracts 219 and 220 were never used as a part of the Tank Trail. No violations were reported. The site is situated outside the proposed project area; therefore, this listing does not appear to represent a recognized environmental condition with regards to the subject project at this time.

Map ID 2, 12.5 Acre School Property Site, Barstow Road/Omaha Beach, Fort Irwin, CA 92310

This site is mapped within the cantonment area of Ft. Irwin, on Barstow Road north of Rhineland Drive, within the aerial portion of the Verizon-Ft. Irwin Fiber Project. It appears that this site is currently Tierfort View Intermediate School. The site type is listed as a school investigation. A preliminary endangerment assessment report reported no contaminants found. The status is reported as “No Further Action” dated March 7, 2005. No additional information was provided. No violations were reported, and this site is not listed on any other database searched; therefore, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

Map ID 3, Daily Transit Mix, LLC, 40901 Paradise View Rd., Barstow, CA 92311

This site is mapped south of the southern end of the Verizon-Ft. Irwin Fiber Project, at the intersection of Ft. Irwin Road and Paradise View Road. This facility is listed on the San Bernardino County Aboveground Storage Tank (AST) and San Bernardino County Permit databases. The AST listing is reportedly related to a 9,000 gallon tank. The County Permit categories are listing as 1,320-10,000 gallon capacity, hazardous materials (11-30 chemicals), and a small quantity generator. The facility status is reported as active. The facility is reported as a minor threat to water quality. The site is listed with a Complexity Category of C (facilities having no waste treatment systems). No violations were reported, and this site is not listed on any other database searched; therefore, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

Map ID 4, Robertson's Ready Mix, 58825 Ft. Irwin Road, Fort Irwin, CA 92310

This site is mapped south the southern end of the Verizon-Ft. Irwin Fiber Project, just north of the intersection of Ft. Irwin Road and Angle Point Road. This facility is listed on the EPA Facility Index System/ Facility Registration System (FINDS) and San Bernardino County Permit databases. The FINDS listing is associated with the US EPA Toxics Release Inventory System (TRIS) pertaining to toxic chemicals that the facility release directly to air, water, land, or that are transported offsite. No violations were reported, and this site is not listed on any other database searched.

The San Bernardino County Permit database listing is related to a few categories listed as APSA 1,320-10,000 gallon facility capacity; hazardous materials (active), 4-10 chemicals (active); EPCRA facility (inactive); and special generator (inactive). No additional information was provided. No violations were reported, and this site is not listed on any other database searched; therefore, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

The aforementioned listings in the EDR report do not currently appear to represent a recognized environmental condition with regards to the subject site, due to the nature of the listings, the listings being down groundwater gradient from the subject site and/or their distance from the subject project.

Orphan Sites

Orphan sites are unable to be located due to lack of complete address information. Orphan sites may appear on more than one database. 149 orphan sites are listed in the EDR report, 72 of which are listed within Fort Irwin. Eighteen of the listings are reported on the State Water Resources Control Board Recovered Government Archive Leaking Underground Storage Tank (RGA LUST) database. Review of the Ft. Irwin Location Map (DWP, 2014) appears to indicate that none of the buildings listed on the RGA LUST database are mapped directly adjacent to the proposed alignment of the Verizon-Ft. Irwin Fiber Project. Additional information on the LUST sites is provided below in the *Local Agencies GeoTracker* section. The Water Board's Databases for Ft. Irwin sites (as of September 1, 2010) is included in Appendix B.

Eight of the listings are reported Verizon sites on the San Bernardino County Permit database only. Three listing are associated with the Fort Irwin sanitary landfill and water treatment plant, reported on the FINDS and State Water Resources Control Board National Pollution Discharge Elimination System (NPDES) permit databases. The landfill and treatment plant are situated off the easterly-northeasterly portion of the cantonment, and are not considered to represent a recognized environmental concern at this time due to their distance. Ft. Irwin Road Land Treatment is reported on the State Water Resources Control Board Waste Management Unit (WMDUS/SWAT) database. The site address for this listing is H

and Main St., Barstow, California. Fort Irwin Batch Plant is reported at the intersection of Ft. Irwin Road and Paradise View Road, south of the southern portion of the Verizon-Ft. Irwin Fiber Project.

The remaining orphan sites are reported to be located in Barstow, Lenwood, Newberry Springs, and San Bernardino County. Due to the nature of the listings (permitting only) and/or their estimated distance from the proposed Verizon-Ft. Irwin Fiber Project, these listings do not appear to represent a recognized environmental condition with regards to the subject site. In some instances, the orphan sites may represent an apparent association with recognized environmental conditions; however, their description does not allow for precise location(s).

Local Agencies

Petra reviewed information held by the agencies listed below during the course of this environmental assessment.

A. USGA Fort Irwin-Directorate of Public Works, Environmental Management Division

On September 1, 2015, one of Petra's Registered Geologists conducted research of historic and active ranges at the Environmental Management Division's office in Ft. Irwin. Ms. Dishart, Chief of the Division, provided documents containing descriptions and locations of Closed, Transferring and Transferred (CTT) ranges and an operational range assessment folder for sites within the Fort Irwin National Training Center (NTC). The NTC appears to be divided into 3 training sections. The northern section contains numerous remote controlled targets used in live fire exercises. The central section is used for "force on force" training. The southern section, in which the subject project is located, is utilized for brigade maneuvers. A summary of information from the three documents is provided below.

"DRAFT Final Operational Range Assessment Program Phase I Qualitative Range Assessment Folder, U.S. Army Garrison Fort Irwin, California," by EA Engineering Science, and Technology, Inc., dated June 20, 2008.

This folder provided a summary of active range identification numbers and map locations, range types, munitions nomenclature, and range descriptions; however, the associated report was not provided. No geographic markers, such as roads and buildings, were available on the maps. There were 4 military range uses mapped within Fort Irwin: Leach Lake Impact Area; maneuver/training area; rotational live-fire area; and range complex. The rotational live-fire ranges are situated within the northern half of Fort Irwin NTC. The Leach Lake Impact Area appears to be situated northwest of the cantonment area. The maneuver/training area is situated within the southern portion of Fort Irwin NTC. Non-operational range areas appear to include the cantonment and the NASA Goldstone Deep Space Complex area situated along the west central edge of the Fort Irwin property. Range complex locations appear to be northwest, north and southeast of the cantonment. Based upon the range region and identification map in the folder, there are 5 maneuver/training areas that appear to be mapped in the vicinity of Ft. Irwin Road and the Verizon-Ft. Irwin Fiber project. They consist of C2 Range ID #21384, C1 Range ID #21457, B2 Range ID #21456, B1 Range ID #21383, and B3 Range ID #21484.

The munitions type listed on the 5 maneuver/training areas identified above consist of small and large caliber blanks (5.56mm, 7.62mm, .50 caliber, 12-gage, 90mm and 105mm), pyrotechnic/obscurant (tear gas [CS] hand grenades, simulator pyro main tank guns, simulator launch rockets, simulator explosive booby traps, and simulator projectile ground bursts) and other (i.e., 2.75-inch HE rocket warheads, flares and signals). B3 Range ID #21484 reportedly also included large caliber and large caliber practice munitions.

“FINAL Historical Records Review, National Training Center and Fort Irwin, Fort Irwin, California, Military Munitions Response Program,” by FPM Group, Ltd., dated October, 2007.

This document identified 14 Closed, Transferring and Transferred (CTT) ranges within Ft. Irwin by map location, physical description, date(s) of use, potential munitions used, primary release mechanism, potential munitions and explosives of concern (MEC), and potential munitions constituents (MC). Thirteen of the CTT ranges are mapped at a distance of approximately 0.5± mile to the north, west, northwest, southeast and east of the proposed Verizon-Ft. Irwin Fiber project.

Based upon our review, there was 1 CTT range (i.e., Small Arms Range) identified within or in close proximity to the northern section of the Verizon-Ft. Irwin Fiber Project. The Small Arms Range, in use from 1942 to the early 1980's, is mapped near the southeasterly intersection of Barstow Road and Langford Lake Road. Portions of the range overlap recent housing additions and the ammunition storage point (ASP). The Small Arms range included a combination of overlapping fans associated with the Rifle Range and the Transition Range. A portion of the Small Arms Range is depicted on the Tiefert Mountains 15-Minute Series topographic quadrangle map (USGS, 1948) provided in Appendix C. The westerly edge of the range fan is depicted roughly parallel to the eastern side of Barstow Road and incorporates the intersection of Ft. Irwin Road and North Loop Road. There is some minor discrepancy on the precise limits of the range fans on historical maps; however, the backstop berm location is consistent as depicted on the 1947 aerial photograph provided in Appendix C. The mapped limits of the Small Arms Range are depicted on Figure 3.

The potential munitions reported for the Small Arms Range are small arms ammunition, listed as 5.56-mm, 7.62-mm and .30-caliber bullets. The Primary Release Mechanism is listed as rifles. The Potential MEC is cased, unfired ammunition. The potential MC are black powder, smokeless powder, double-based propellant, lead, tin, arsenic copper, tin, zinc, iron, magnesium, strontium and lead azide/lead styphnate.

Although not discussed in the MMRP or CTT site documents provided during our research at the Environmental Management Division, 3 additional ranges were identified on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M (1± mile diameter area), situated on the west side of Ft. Irwin Road in the approximate vicinity of project mile marker 3.5± to 4.5±. The mapped limits of Bombing Range M are depicted on Figure 4. A Fort Irwin General Site Map from 1969 depicted the Scorpion Range (range fan orientated to the northwest) in the same area as Bombing Range M, and the Lizard Gulch Range (range fan orientated to the west) on the west side of Ft. Irwin Road in the approximate vicinity of project mile marker 0.0± to 1.5±. The mapped limits of the Lizard Gulch and Scorpion Ranges are depicted on Figure 5. The use of Bombing Range M was listed as 100 pound practice bombs. The use of both the Scorpion and Lizard Gulch Ranges was reported as .30 caliber, 7.62-mm rounds and 4.2-inch mortars.

“DRAFT U.S. Army Closed, Transferring and Transferred Range/Site Inventory for Fort Irwin, CA,” by TechLaw, Inc., dated August 2002.

This document identified 15 CTT ranges within Ft. Irwin by map location, including 12 closed ranges, two munitions sites, and one transferred range. The transferred range was classified as small arms. The mapped locations of the CTT ranges and sites appeared to be similar to that depicted in the FINAL Historical Records Review report summarized above (FPM Group, Ltd., 2007), except for the addition of the Flamethrower Range mapped near the northeasterly edge of the cantonment. The northwestern edge of the Small Arms Range, mapped parallel to the eastern edge of Barstow Road within the cantonment, appeared to be the only CTT range in close proximity to the proposed Verizon-Ft. Irwin Fiber project.

A Risk and Assessment Code (RAC) worksheet was completed for each of the 15 sites, which consisted of an assessment of explosives safety risk. A Risk of 1 equated to a high explosives safety risk and a Risk of 5 equated to a negligible explosives safety risk. The Small Arms Range, listed as a Closed Range, had a RAC score of 5. The munitions types were reported as small arms. The munitions constituents were reported as unknown. The Defense Environmental Restoration Program (DERP) Eligibility for the Small Arms Range was listed as Munitions Response (MR) program. The current use of the Small Arms Range was reported as residential/multi-family complex and undeveloped.

A munitions table in the document folder indicated that small arms started in use between 1942 and 1980. Munitions listed for the Small Arms Range included medium caliber (20mm, 25mm and 30mm), HE in use between 1948 and 1958; mortars, HE between 1948 and 1958; and small arms between 1945 and 1958.

B. California Regional Water Quality Control Board

The California Regional Water Quality Control Board-Lahotan Region (RWQCB) maintains records of leaking underground storage tank sites and groundwater cleanups for sites in the County of San Bernardino and Fort Irwin. Records held by the RWQCB were accessed by EDR during the government database search. No listings for the subject site were reported by EDR; however, Petra's in-house review identified sites of recognized concerns near the search radius. These are discussed below under GeoTracker. The Water Board's Databases for Ft. Irwin sites (as of September 1, 2010) is included in Appendix B.

C. California Regional Water Quality Control Board - GeoTracker

The GeoTracker website maintains a record of environmental data for regulated facilities in California. Twenty eight (28) database listings for Fort Irwin were reported on GeoTracker, sixteen (16) of which are listed as, "Case Closed." There is 1 open site (FTIR-26, Gasoline UST, Building 909), and 1 closed site located in the general vicinity of the north end of the Verizon-Ft. Irwin Fiber Project (FTIR-26, Building 909). There is 1 open site (FTIR-12a [Building 946] and FTIR-12b [Building 941]) and 1 closed site situated near the staging area (FTIR-28 Waste Oil UST [South Loop and Langford Lake Rd]). A summary is provided below.

FTIR-26, Gasoline UST, Building 909 – the cleanup status of the site is reported as, "Open-Site Assessment" as of March 3, 2007. The potential contaminants of concern is reported as, "None Specified." The potential media affected is not identified. The site history indicated that the 2007 Draft Ft. Irwin Installation Plan (by USAEC) indicates this site is selected for, "No Further Action"; however, a record of decision document reportedly has not been prepared. Review of readily available documents on GeoTracker (and Envirostor) indicated the listing remains open. Based upon

this site being situated as a down groundwater gradient from the proposed aerial line, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

FTIR-26, Building 909 – the cleanup status of the site is reported as, “Completed-Case Closed” as of May 21, 1993. The potential contaminants of concern are reported as, “waste oil, motor oil, hydraulic and lubricating.” The potential media affected is reported as soil. A County of San Bernardino Environmental Health Services closure letter (dated May 21, 1993) is provided in Appendix B. Our review of the 2007 Army Defense Environmental Restoration Program Installation Action Plan report for Fort Irwin (USAEC, 2007) indicated this case is listed on the, “Response Complete (No Further Action) Summary” list. Based upon the regulatory oversight agency providing “Case Closed” status, and the report of soil contamination only, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

FTIR-12a (Building 946) and FTIR-12b (Building 941) - the cleanup status of the site is reported as, “Open-Site Assessment” as of March 30, 2007. The potential contaminants of concern are reported as, “None Specified”; however, it is our understanding that the site contains waste electrolyte disposal pits. The potential media affected is not identified. The site history on GeoTracker states that the 2007 Draft Ft. Irwin Installation Plan (USAEC, 2007) indicates this site is selected for, “No Further Action”; however, a record of decision document reportedly has not been prepared. Review of readily available documents on GeoTracker (and Envirostor) indicates this case remains open. This listing would typically be considered a recognized environmental concern since it is in close proximity to, and up groundwater gradient from the staging area; however, since subsurface excavations are not anticipated in the staging area as well as the site consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

FTIR-28 Waste Oil UST (South Loop and Langford Lake Rd) - the cleanup status of the site is reported as, “Completed-Case Closed” as of April 4, 2002. The potential contaminants of concern are reported as, “None Specified”; however, it is our understanding that the site contained a former waste oil tank. The potential media affected is not identified, but is estimated to be soil only. A California Regional Water Quality Control Board-Lahoutan Region Closure letter (2002) is provided in Appendix B. Due to the reported regulatory oversight agency providing “Case Closed” status (based solely upon no risk to groundwater), this listing would typically be considered a recognized environmental concern since it is in close proximity to the staging area, and impacted soils may remain in-place; however, since subsurface excavations are not anticipated in the staging area as well as the site consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

D. Department of Toxic Substances Control - EnviroStor

The online database EnviroStor (2015) provides records on LUSTs, SLICs, Priority cleanup sites and State sites which are maintained by the Department of Toxic Substances Control (DTSC). In-house review of the Department of Toxic Substances Control (DTSC) Envirostor database identified 39 listings for the Fort Irwin National Training Center. Four database listings were found associated with Fort Irwin within the cantonment area. One is listed as, “No Further Action” (12.5 Acre Property School Site); 2 are listed as “Inactive-Needs Evaluation” (Camp Irwin and Bicycle Lake AA Range); and 1 site is listed as, “Active” (Camp Irwin National Training Center). No additional

information was readily available on the 2, “Inactive-Needs Evaluation” listings. A summary of the “Active” listing is provided below.

Camp Irwin National Training Center – the cleanup status is reported as “Active” as of February 2, 2010. The past uses of the site that caused contamination is listed as, fire training areas; firing range-artillery; firing range-small arms, etc.; landfill domestic and hazardous waste (fill, oil fill) oil/water separators; open burn/open detonation; USTs; and vehicle maintenance. The potential contaminants of concerns are listed as UXO, munitions and explosives of concern (MEC), metals, other, petroleum, uncategorized, and volatile organics. The potential media affected is reported as other groundwater affected (other than drinking water), soil and soil vapor.

Ft. Irwin has 14 potential military munition response program (MMRP) sites that reportedly went through inspection. Eight MMRP sites were recommended for further investigation and 5 were ineligible or had no known or suspected hazards to qualify for the MMRP. Two of the MMRP sites went through a supplemental inspection on an expected schedule for the proposed hospital that overlapped the 2 MMRP sites. The remaining MMRP sites will reportedly go through remedial investigation.

Fort Irwin had 14 hazardous waste management program (HWMP) sites that are going through closure certification. Ten HWMP sites have been closed and 4 are waiting for confirmatory sampling and risk assessment before closure. The majority of these sites are situated within the industrial section of the cantonment area, located east-southeast and down groundwater gradient of Barstow Road. None of these sites are in close proximity to the trenching section of the proposed Verizon-Ft. Irwin Fiber Project. A few are located in the vicinity of the aerial portion of the proposed project; however, they appear to be situated at a down groundwater gradient from Barstow Road.

E. California Division of Oil, Gas, and Geothermal Resources

According to the California Division of Oil, Gas, and Geothermal Resources (DOGGR), there is no active oil, or gas wells located on the subject site. Further, there were no indications of any such wells found during our reconnaissance of the subject site. A copy of this map is included in Appendix B.

F. National Pipeline Mapping System

Petra reviewed the National Pipeline Mapping System (NPMS, 2015) public viewer website for gas transmission pipelines and hazardous liquid trunk lines on or close to the subject property. According to the information reviewed, no pipelines are located in close proximity to the Verizon-Ft. Irwin Fiber Project, and none were mapped within Fort Irwin as a whole.

Evaluation of Records Search Results

In summary, no sites were identified in our search of various government agency database records, which appeared to have impacted the soils or groundwater beneath the proposed alignment of the Verizon-Ft. Irwin Fiber Project. There are sites identified in our search, however, with reported subsurface soil contamination in the area north of the planned staging area (FTIR-12a and FTIR-12b). The cleanup status

of the site is reported as, “Open-Site Assessment” as of March 30, 2007. It is our understanding that the potential contaminants on these adjacent sites are associated with waste electrolyte disposal pits. The site history on GeoTracker notes that the 2007 Draft Ft. Irwin Installation Plan (USAEC, 2007) indicated these sites is selected for, “No Further Action”; however, a record of decision document has reportedly not been prepared. The Army Defense Environmental Restoration Program Installation Action Plan report for Fort Irwin (USAEC, 2007), found this case is listed on the, “Response Complete (No Further Action) Summary” list in September 1998. Review of readily available documents on the State of California Water Resources Control Board’s GeoTracker (and the DTSC’s Envirostor) websites indicates these cases remains open. This listing would typically be considered a recognized environmental concern since it is in close proximity to, and up groundwater gradient from the staging area; however, since subsurface excavations are not anticipated in the staging area as well as the site consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

Results of Aerial Photo Analysis

Although aerial photographs can often be a valuable source of information in the assessment of historical land usage, it should be understood that information extrapolated from photographic images is strictly interpretation and not necessarily fact. For this reason, it may not be appropriate to draw conclusions regarding previous site activities based solely upon aerial photograph analysis. It should be noted that readily available USGS aerial photographs of the Ft. Irwin area were not found by EDR™ for the years between 1947 and 1979. This is considered a data gap.

In order to provide a reasonable assessment of historical land usage on and in the vicinity of the proposed Verizon-Ft. Irwin Fiber Project, aerial photographs with coverage of the subject site and immediate vicinity were obtained from EDR and viewed by a representative of this firm. Based upon the length of the proposed utility alignment on the order of 11±-miles, only large-scale USGS photographs from the years 1947, 1979, 1983, 1989, 1995, and 2002 were readily available from EDR. A summary of the information obtained during the aerial photograph review follows. Copies of the aerial photographs obtained from EDR are included in Appendix C.

1947 Photographs

In these photographs, the proposed project alignment along Ft. Irwin Road (named Barstow Road at the time on USGS maps) appeared to be predominantly located within undeveloped desert land from the

southerly end of the project area to the cantonment. The roadway alignment depicted in these photographs, however, appeared have been different than today (road appeared to split near the south end of the project area into an improved road and an unimproved road). What appeared to be other dirt roads/trails were observed within the project area. Structures were not observed until Barstow Road entered the cantonment. Structures and a pond-like figure were observed near the west side of Barstow Road, south of Langford Lake Road. What appeared to be a firing range (Small Arms Range) was depicted on the east side of Barstow Road, southeast of the main cantonment depicted at the time (as designated on the USGS topographic maps). The staging area appeared to be either occupied by barracks of large vehicles. The cantonment encompassed an area similar to that of Inner Loop Road on the south and west; S. Loop Road on the east and 5th Street on the north. What appeared to be the alignment of (unimproved) Langford Lake Road extended to the south-southeast outside the main cantonment. What appeared to be the (unimproved) alignment of Goldstone Road extended to the west-northwest outside the main cantonment. Barstow Road also continued north beyond the cantonment. Parked vehicles appeared to be common throughout the cantonment with a scattering of barracks and permanent buildings noted.

1979 Photographs

In the 1979 photographs, Fort Irwin appeared to consist predominantly of a few scattered buildings. Minimal activity was readily observed. What appeared to be rough graded residential lots were visible in the southwesterly portion of the cantonment, north of Rhineland Drive and west of Barstow Road; however, structures were not readily detectable on the lots. A levee was observed between Rhineland Road and the mountains to the southwest. The Visitor Center is not readily detectable, but the outline of the nearby electrical substation was observed. Ft. Irwin Road, south of the electrical substation, appeared to remain within predominantly an undeveloped desert area. What appeared to be barracks were present on or near the staging area. Manmade ponds are observed in the vicinity of the existing water reclamation/landfill area east-southeast of the cantonment.

1983 Photographs

The 1983 photographs depicted expansion to the main cantonment area along the proposed north project alignment, including increased building construction, and Outer Loop Road apparently under construction. The staging area appeared to be occupied by a u-shaped figure (barracks?). One isolated small building was visible at the west edge of Ft. Irwin Road, between Outer Loop Road and the Visitor Center. Two small buildings were also noted further west-northwest near the Outer Loop Road alignment. Dirt road activity increased in the desert terrain on both sides of Ft. Irwin Road, south of the Visitor

Center. Due to the large scale of the photos, it is difficult to discern whether very small figures visible at a few areas along Ft. Irwin Road (and off the roadway alignment) are structures or vehicles.

1989 Photographs

In these photographs the linear alignment of Ft. Irwin Road and Barstow Road no longer meet in the cantonment area. A stretch of asphalt roadway, from the abandoned section of the former alignment of Ft. Irwin Road to Barstow Road (similar to that of the preferred utility alignment), is depicted. Outer Loop Road is observed, along with residential development between Rhineland Drive and Outer Loop Road. Development directly along the west edge of Barstow Road within the cantonment is sparse south of Normandy Drive. Land east of Barstow Road is vacant until Inner Loop Road. The staging area appeared to consist of thin, dark colored rectangular shapes. Dirt roads/trails are common along both sides of Ft. Irwin Road south of the Visitor Center. Near the south end of the proposed project, the truck by-pass lane is depicted on the east side of Ft. Irwin Road.

1995 Photographs

Minimal changes are observed along the alignment of the Verizon-Ft. Irwin Fiber Project from the 1989 photographs. Pavement remnants of the former Ft. Irwin Road linear connection to Barstow Road are no longer visible. A u-shaped concrete slab is visible on the staging area. Dirt road/trail activity along Ft. Irwin Road south of the Visitor Center appeared significantly less.

2002 Photograph

In this photograph, project conditions appear similar to those observed during our recent site reconnaissance. Dirt road/trail activity is common along both sides of Ft. Irwin Road south of the Visitor Center.

The following is a summary of historical aerial photographs provided from Goggle Earth™.

June and December 2005 Photographs

Within the cantonment, residential development is now visible on the east side of Barstow Road, between Anzio Street and Selerno Drive. The proposed staging area is vacant except for the u-shaped concrete slab. In the December photos, what appeared to be 4 relatively large, green above ground tanks were visible on the proposed staging area slab.

June 2009

Within the cantonment area of the proposed project, minimal changes were noted, except for development of a school on the east side of Barstow Road, south of Anzio Street. The planned staging area was vacant, except for concrete slabs. No obvious changes were noted to the proposed project area south of Outer Loop Road.

April 2013

Within the cantonment area of the proposed project, minimal changes were noted, except for development of a school at the northeast corner of Barstow Road and Outer Loop Road. The planned staging area remained vacant. No obvious changes were noted to the proposed project area south of Outer Loop Road.

Historical USGS Topographic Maps

Petra reviewed historical USGS topographic maps of the site and vicinity downloaded from the USGS map website. Quadrangle maps were found for the years 1933, 1947, 1948, 1951, 1957, 1960, 1986 and 2015. Early topographic maps (pre-1948) are associated with a large scale (providing less detail), such as 1:250,000. Based upon the 11±-mile length of the subject project, post-1951 maps typically require multiple quadrangles to cover the entire length.

Ft. Irwin was not identified and no land use is shown for the subject project on the 1933 and 1947 maps. The closest access road to the Fort Irwin area depicted in the 1933 map was further south near Garlic Spring. Barstow Road was depicted even further south, intersecting the Langford Lake area. The closest structures noted were south of the project area, near Coyote Lake. The 1947 map depicted the road as noted in the 1933 map, but also depicted a second road to the north, closer to the current alignment of Ft. Irwin Road, that extended along the western edge of Bicycle Lake north-northeast of the cantonment. A small development associated with Fort Irwin was depicted in the 1948, 1951 and 1957 maps. These maps also depict a firing range (Small Arms Range) off the easterly edge of the main access road to the cantonment (Barstow Road). South Loop Road was not visible. A cluster of mines were depicted in the 1957 map in the Paradise Range, near the southern end of the project. The 1960 map did not exhibit Ft. Irwin or the cantonment area. Outer Loop Road was first noted as under construction in the 1986 map. A levee was shown on this map between Outer Loop Road and Rhineland Drive. Except for occasional dirt roads/trails, no land improvements were noted along Ft. Irwin Road, south of the Visitor Center in any of the maps reviewed. These maps generally support observations made from the aerial photographs

reviewed. Copies of the maps reviewed are provided in Appendix C, where the approximate location of the Verizon-Ft. Irwin Fiber Project is depicted as green dots.

Environmental Liens; Activity and Use Limitations

Environmental Liens, Activity and Use Limitations (AUL) Report indicate restrictions on a property, which may represent a recognized environmental condition for the subject site. Typically, a search for Environmental Liens and AULs would be conducted by EDR as part of Phase I ESA; however, based upon the proposed Verizon-Ft. Irwin Fiber Project being situated within property owned by the Federal Government, the likelihood of liens and/or activity and use limitations are considered nil.

Fire Insurance Maps

Fire Insurance Maps provide information on structure locations and operations, which were present at the time of the survey. These maps were completed for most major cities and metropolitan areas, dating from 1867, and provide information into past usage of buildings and how commercial and industrial zoning has changed over time. Sanborn™ Fire Insurance maps would be typically requested for this study; however, based upon the proposed Verizon-Ft. Irwin Fiber Project being situated within property owned by the Federal Government, the likelihood of fire insurance maps existing is considered nil.

City Directories

City Directories provide information for a specific address at a specific time. A search of city directories, dating back to 1975 for Ft. Irwin was conducted by EDR for this assessment. The search was conducted for the corridor study and adjoining cross-streets. The first listing found on Barstow Road was in 1992. No listings were reported for Outer Loop Road. No listings were reported that appeared to represent a potential environmental concern. A copy of this search is presented in Appendix C.

Building Permits

Building permit data provides information to identify current and/or former operations and structures/features which may represent a recognized environmental condition for the subject site. Typically, a search of building permits would be conducted by EDR as part of Phase I ESA; however, based upon the proposed Verizon-Ft. Irwin Fiber Project being situated within property owned by the Federal Government, the likelihood of readily accessible building permits is considered unlikely within the typical time frame of a Phase I ESA.

Interviews

In compliance with AAI, Petra provided the client a Phase I Interview Questionnaire to be forwarded to the owner authorized representative (Mr. Clarence A. Everly, Directorate of Public Works), regarding his knowledge of the subject site. Mr. Everly forwarded the questionnaire to Ms. Justine Dishart-US Army IMCOM Central to complete on May 19, 2015. Ms. Dishart was contacted via telephone on May 3, 2015 and on May 28, 2015 via e-mail regarding the status of the questionnaire. On August 18, 2015, Ms. Dishart indicated that the questionnaire will not be completed and an appointment would need to be made to physically research ranges within the Verizon-Ft. Irwin Fiber Project area.

On September 1, 2015, Mr. Edward Lump (Petra's Professional Geologist) met with Ms. Justine Dishart, Chief, Environmental Management Division at Fort Irwin to research ranges that may affect the proposed Verizon-Ft. Irwin Fiber Project. Ms. Dishart provided three documents containing pertinent information for review (EA Engineering, 2008; FPM Group, 2007; TechLaw, 2002). A summary of these documents are provided above in the *Local Agencies* section of this report.

Client Knowledge

In compliance with AAI, Petra provided Ms. Anne Surdzial with ECORP Consulting, Inc., a Phase I Owner Questionnaire regarding her knowledge of the subject site. A summary of the questions and response is provided below.

1. According to Ms. Surdzial, she does not have specialized knowledge or experience related to the property.
2. According to Ms. Surdzial, she is not aware of commonly known or reasonably ascertainable information about the property that would help identify conditions indicative of hazardous materials/chemical releases or threatened releases.
3. According to the Ms. Surdzial, based on her knowledge and experience related to the property, there are no obvious indicators that point to the presence of likely presence of contamination at the property.

A copy of the complete client questionnaire is provided in Appendix D.

Data Failures and Data Gaps

In the event that data gaps are identified, the Environmental Professional (EP) will endeavor to comment on the significance of those data gaps. However, the EP cannot, and does not warrant or guarantee that no significant events, releases, or conditions arose, during periods such as data gaps.

Petra reviewed several sources for historical information regarding the subject site. These sources included a government agency database search, a review of historical aerial photographs and historical USGS topographic maps, review of pertinent environmental reports (see reference list) and interviews. Historic aerial photographs between 1947 and 1979 were not readily available. As of the date of this report, the completed owner Interview Questionnaire has not been received. Fort Irwin was not depicted on USGS topographic maps from 1947 and 1960. Geographic markers (i.e., roads, buildings, etc.) were not provided on the active ranges map for Fort Irwin. Additionally, it is reported contamination assessment pertaining to regulatory agency oversight on environmental conditions associated with waste electrolyte disposal pits north of the planned staging area (FTIR-12a and FTIR-12B) are incomplete. Documents generated by the US Army Environmental Command (USAEC, 2007) lists these cases on the, "Response Complete (No Further Action) Summary" list (September 1998). Recent review of readily available documents on the State of California Water Resources Control Board's GeoTracker and the DTSC's Envirostor websites, indicate this case remains open (as of September 2010).

Data gaps exist in the historic information reviewed, as noted in the paragraph above. These gaps are due to the limited resources available, which do not appear to be reasonably ascertainable and practically reviewable in the local area, and incomplete information. If additional pertinent information is provided by the Environmental Management Division of Fort Irwin, Petra will issue an amendment to this Phase I ESA report.

DISCUSSION OF POTENTIAL ENVIRONMENTAL CONCERNS

The following discussions of potential environmental concerns are presented to inform the client as to the existence, or lack thereof, of recognized environmental conditions present along the Verizon-Ft. Irwin Fiber Project.

Regulatory Actions

Based upon a thorough search of readily available federal, state, and local records, no known current environmental regulatory action (pursuant to ASTM E1527) is pending with respect to the land corridor associated with the Verizon-Ft. Irwin Fiber Project. An "Open-Site Assessment" case was identified near the proposed staging area, and Military Munitions Response Program (MMRP) sites, which we researched and found scattered throughout the Ft. Irwin National Training Center, were also identified. Based upon our evaluation of readily available documents pertaining to these areas, described in the above sections, none are considered recognized environmental concerns to the proposed project at this

time, with the exception of the Small Arms Range (MMRP site) and 3 other historical ranges (Bombing Range M, Scorpion Range, and Lizard Gulch Range).

Adjacent and Nearby Properties

Based upon our research with the Fort Irwin Environmental Management Division, there is 1 CCT range and 3 historical ranges situated in close proximity to the proposed Verizon-Ft. Irwin Fiber project that may affect the proposed construction. The Small Arms Range is mapped along the eastern edge of Barstow Road, between Langford Lake Road and Outer Loop Road, including the intersection of Ft. Irwin Road and Outer Loop Road (Figure 3).

Three additional ranges were identified solely on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road in the area of project mile marker 3.5± to 4.5± (Figure 4). A Fort Irwin General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the west side of Ft. Irwin Road near project mile marker 0.0± to 1.5± of the Verizon-Ft. Irwin Fiber Project (Figure 5). The 4 ranges, which represent a recognized environmental concern to the proposed Verizon-Ft. Irwin Fiber Project, are discussed below in the *Ranges* section below, and above in the *Local Agencies* section.

No additional information has been obtained during this assessment which would indicate the presence of recognized environmental conditions on adjacent and/or nearby sites, except for an existing regulatory action reported on a site north of the staging area (Buildings 941 and 946), situated on the westerly side of Langford Lake Road, between South Loop Road and G Avenue. The cleanup status of the site is reported as, "Open-Site Assessment" as of March 30, 2007. It is our understanding that the potential environmental concerns are related to waste electrolyte disposal pits. The 2007 Army Defense Environmental Restoration Program Installation Action Plan report for Fort Irwin (USAEC, 2007), indicated this case is listed on the, "Response Complete (No Further Action) Summary" list (September 1998). Review of readily available documents on GeoTracker (2010) and Envirostor (2007), however, indicated this case remains open, and a record of decision document has reportedly not been prepared. No additional information was readily available. This listing would typically be considered a recognized environmental concern; however, since it is in close proximity only to the staging area, and no subsurface excavations are anticipated, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.

Ranges

Military Munitions Response Program (MMRP) sites were identified within the Ft. Irwin National Training Center. Our review of the 14 reported Closed, Transferring and Transferred (CTT) ranges indicated that the Small Arms Range (FTIR-004-R-01) backstop berms were situated near the southeasterly intersection of Barstow Road and Langford Lake Road (range fan orientated to the south) in the early 1940's. This range was a combination of several small arms ranges with firing locations in approximately the same area and range fans overlap. The westerly portion of the Small Arms Range included the Rifle Range and the westerly portion included the Transition Range. Final maps depicting the boundaries of these ranges, active from the early 1940's to the mid 1980's, indicate that the former limits of the Small Arms Range encroaches into the northern section of the proposed Verizon-Ft. Irwin Fiber Project (Figure 3). The Small Arms Range represents a potential recognized environmental concern to the proposed Verizon-Ft. Irwin Fiber Project, particularly within the existing undeveloped portions of the range.

Three additional ranges were identified solely on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road south of the Main Gate, in the approximate vicinity of project mile marker $3.5\pm$ to $4.5\pm$ (Figure 4). A Fort Irwin 1950's Ranges and Airfield Facilities Map and General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the east side of Ft. Irwin Road near project mile marker $0.0\pm$ to $1.5\pm$ of the Verizon-Ft. Irwin Fiber Project (Figure 5). These 3 ranges represent a potential recognized environmental concern to the proposed Verizon-Ft. Irwin Fiber Project.

Military munitions, UXO, discarded military munitions, and munitions constituents, which may exist within the 4 ranges, may be considered hazardous materials as defined by the Resource Conservation Recovery Act (RCRA). Hazardous materials are defined as, *"A solid waste, or a combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may – (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."*

Operational Ranges within the southern third of Fort Irwin Base property, where the Verizon-Ft. Irwin Fiber project is planned, consists predominantly of maneuver/training areas. It is reported that munitions used in these areas consist of small and large caliber blanks (5.56mm, 7.62mm, .50 caliber, 12-gauge,

90mm and 105mm), pyrotechnic/obscurant (tear gas [CS] hand grenades, simulator pyro main tank guns, simulator launch rockets, simulator explosive booby traps, and simulator projectile ground bursts) and other (i.e., 2.75-inch HE rocket warheads, flares and signals). One of the maneuver/training ranges reportedly also included large caliber and large caliber practice munitions.

Polychlorinated Biphenyls

Pole-mounted exterior and ground pad mounted transformers were observed within or near the proposed project in the cantonment area. Visual observations completed by Petra field staff suggested the transformers were in good condition. If the transformers are to be upgraded or removed, it is recommended that the removal be completed by a licensed contractor or the utility company responsible for the transformers.

There were records reviewed that reported a PCB transformer storage area within the cantonment, near the intersection of 4th Street and E Avenue (FTIR-16). The case is listed by the State Water Resources Control Board “Open-Site Assessment” as of September 1, 2010. This site is also on the agencies, “Possible No Further Action” list. Based upon the distance to the project area and the regulatory oversight status, this area does not appear to represent a recognized environmental condition with regards to the subject project at this time.

Underground Storage Tanks

Based upon our review of information obtained during this assessment, there are no active or inactive UST’s located on or directly adjacent to the proposed Verizon-Ft. Irwin Fiber Project. Based upon information provided on the GeoTracker website, there is 1 former LUST case related to a waste oil tank mapped north of the proposed staging area. The site, identified as FTIR-28 has a cleanup status reported as, “Completed-Case Closed” as of April 4, 2002. The potential media affected is not identified; however, readily available information indicated that the remaining soil residues do not present a risk to groundwater. A California Regional Water Quality Control Board-Lahoutan Region Closure letter (2002) is provided in Appendix B. Based upon the regulatory oversight agency providing “Case Closed” status (based solely upon not a limited risk to groundwater), and the report of soil contamination only, this listing does not appear to represent a recognized environmental condition with regards to the subject project at this time.

Based upon the limited proposed excavations associated with aerial placement of the fiber line within the cantonment area, other known UST sites within the cantonment area (Petra, 2014c) are not anticipated to represent a recognized environmental concern at this time.

Above Ground Storage Tanks

Field observations made during this assessment indicated that there are no above ground waste petroleum hydrocarbon storage tanks (ASTs) currently located in or immediately adjacent to the proposed project alignment within the cantonment, except 4 fuel AST's situated within an enclosure southeast of the staging area. Additionally, although not defined as a fuel AST, an emergency generator near Building P12 was observed to have fuel storage capacity in the support base.

Storm Water/Waste Water Discharge

Outside of the cantonment, storm water discharge appears to be limited to surface water runoff. Storm water discharge within the cantonment appears to be limited to surface water runoff, apparently channeled into existing concrete drainage swales. One of these drainage swales extends parallel to Barstow Road (at the corner of Barstow Road and North Loop Road), and another extends parallel to Bastogne Street (from Salerno Drive southwest to St. Mihiel Street). It appears that the current storm water discharge practices identified during our site walk are not anticipated to represent a recognized environmental concern. No waste water discharge was observed during our site reconnaissance.

Pesticide and Herbicide Residues

Based on information obtained during this assessment, it does not appear that the subject property was historically utilized for agricultural purposes. There were records reviewed that reported a pesticide mixing area within the cantonment, near the intersection of 4th Street and E Avenue (FTIR-10). The case is listed by the State Water Resources Control Board "Open-Site Assessment" as of September 1, 2010. This site is also on the agencies, "Possible No Further Action" list. Provided the application of pesticides in the mixing area and throughout the Ft. Irwin cantonment was in general compliance with regulatory guidelines and the chemicals intended use, soil residues are not anticipated to represent a recognized environmental condition with regards to the subject project at this time.

Asbestos-Containing Materials

Asbestos is a natural fiber historically used in the manufacturing of various building materials that is identified as a human carcinogen. The majority of easily broken or crushed (i.e., friable) Asbestos-

Containing Material (ACM) was banned in building materials in the United States by 1978. By 1989, a significant portion of major ACM manufacturers had voluntarily removed non-friable ACM (i.e., flooring, roofing, and mastics/sealants) from sale in the United States. These materials, however, were not eliminated from building materials completely.

In October 1995, the Federal Occupational Safety and Health Administration (OSHA) redefined the manner by which building materials are classified in regards to asbestos, and also the way ACMs are to be handled. Under this classification, “thermal system insulation and sprayed-on or troweled on or otherwise applied surfacing materials” applied before 1980 are considered presumed Asbestos-Containing Materials (PACM). Other building materials such as “floor or ceiling tiles, siding, roofing, transite panels” (i.e., non-friable) are also considered PACM unless tested.

Asbestos-containing materials (ACMs) are anticipated to exist in association with buildings constructed prior to 1980. Where the proposed project disturbs building materials with potential ACMs, a pre-demolition ACM survey is recommended.

Lead-Based Paints

Potential lead-based materials are anticipated to exist within buildings constructed prior to 1980. Where the proposed project disturbs building materials with potential lead-based paint, a pre-demolition lead-based paint survey is recommended.

There were records reviewed that a lead-based paint (and DDT) disposal area is within the cantonment (FTIR-9); however, Ms. Hastings has indicated that this site has never been located.

Landfills

Based upon our previously studies (Petra, 2014a; 2014c) and recent field observations associated with this assessment, as well as review of readily available regulatory databases, inactive and active landfill areas are located in the east-northeastern portion of the cantonment, near Building 6115 (Landfill Baler Facility) and the adjacent Waste to Energy Plant. As a result, known landfills do not appear to represent a recognized environmental condition with regards to the subject site at this time.

Water Supplies

Active water wells were observed in the cantonment area near the northern portion of the proposed Verizon-Ft. Irwin Fiber Project. Numerous water wells associated with Fort Irwin were also depicted on

the Department of Water Resources Water Data Library database map. Mineral quality of groundwater in the basin is reported as generally “good”, with the exception of arsenic and fluoride which require treatment prior to use as drinking water (US Army Corps of Engineers, 2013).

Waste Generation and Storage

No waste generation or storage was observed throughout the subject route during our site walks.

CONCLUSIONS

General Site Information

1. Fort Irwin United States Army Garrison overall consists of 615,000± acres of Federal Land situated in the Mojave Desert, north of Interstate 15 (I-15) and approximately 35 miles northeast of Barstow, California. Generally, Fort Irwin was established in 1942 and deactivated in 1944. Fort Irwin was reactivated in 1951, and upgraded to a permanent installation in 1961; however, the facility was closed in 1971, and turned over to the State of California in 1972, where the California National Guard trained until 1980. In 1981, the Army reactivated Fort Irwin as its National Training Center.
2. The Verizon-Ft. Irwin Fiber Project plans indicate the subsurface line will start on the western side of Ft. Irwin Road approximately 5 miles south of the Main Visitor Gate. Recent revisions to the plans (i.e., preferred alignment) indicate the proposed line will continue approximately 4.5 miles north along Ft. Irwin Road, where the alignment leaves the western edge of the roadway and trends north through desert land (along a tank trail) to Barstow Road. The underground portion of the cable line continues along the western edge of Barstow Road approximately 0.2 miles, to a location where it becomes aerial and crossed over to the eastern side of Barstow Road (preferred alignment). The preferred alignment is shown to continue approximately 0.4 miles where it crosses over to the western edge of Bastogne Street and continues for approximately 0.3 miles (past Salerno Drive). The aerial line then jogs easterly to the west edge of Barstow Road for approximately 0.3 miles ending near the northeasterly side of Building P12. By comparison, the alternate aerial alignment plan depicts the aerial portion of the line continuing along the western edge of Barstow Road (from South Loop Road) approximately 1 mile (past Inner Loop Road), to the northern side of Building P25. The line extends westerly toward the Verizon Central Office (Building P12) where it ends. The planned staging area associated with the preferred and alternative alignments is situated northwesterly of the intersection of Langford Lake Road and South Loop Road, west of Buildings P950 and P952 and south of Buildings P944 and P945. The surface of the planned staging area consists of a concrete slab-on-grade with gravel fill along the edges. This area overall is described on the Ft. Irwin Location Map as “Green Acres” (DWP, 2012). A map depicting the general cable alignment and staging area is included as Figure 2.
3. The terrain associated with the proposed underground alignment of the Verizon cable south of Barstow Road, consists of undeveloped desert landscape. Generally, vegetation has been cleared along the western side of Ft. Irwin Road, creating an unimproved dirt road. The geomorphic terrain of the alignment appears to be predominantly located in young alluvial fan deposits, and a few intermittent eroded bedrock hillsides. A southeasterly sloping drainage crossing exists at

approximately 1 mile north of the south end. Dirt roads and tank crossings are situated along the cable alignment. The terrain associated with the proposed aerial alignment in the cantonment area (i.e., north of Bartow Road) consists of level-graded open space areas, residential areas, community park areas, and office buildings. The preferred alignment plans (ECORP, 2015b) depicts the proposed project starts on the western side of Ft. Irwin Road, 1,000± feet north of the truck bypass lane.

4. Topographically, the Fort Irwin cantonment is located within an alluvial basin sloping gently from west-northwest to east-southeast. Site elevations are on the order of 2,400± feet to 2,600± feet above mean sea level (msl). South of the cantonment area, topography suggests northerly and easterly sloping alluvial fans with intermittent (generally) southeast-northwest trending ridges. Approximately 0.5 miles south of the Visitor Center, which represents the highest elevation area of the proposed alignment at 3,200± feet above msl, alluvial fans slope in a southerly and easterly direction, with intermittent ridges trending in an overall east to west orientation. The southernmost proposed start location of the utility line, is at an elevation on the order of 2,380 feet above msl.
5. The proposed project alignment south of the cantonment will encounter predominantly undeveloped desert landscape. Surface soils are sands and gravelly sands with rock fragments typically less than 6-inches in one dimension. Dirt roads/trails are common along the western side of Ft. Irwin Road, some of which appeared to be actively utilized. Commonly, asphaltic concrete and concrete pavement (at tank crossings) were observed along Ft. Irwin Road south of the cantonment. Curb, gutter and sidewalks do not exist except within the cantonment. Gravel was observed surrounding the concrete slab in the planned staging area. Site vegetation within residential and other building areas consists of gravel with light to moderate irrigated and non-irrigated landscape.
6. Based on readily available historical topographic maps and aerial photographs of the proposed Verizon-Ft. Irwin Fiber Project, the current alignment of Ft. Irwin Road did not appear to be present in 1933. Maps from this time depicted Barstow Road situated further south, in the vicinity of Garlic Springs and Langford Lake. In 1947 Ft. Irwin Road was noted with some alignment differences from today, including (but not limited to) Ft. Irwin Road intersecting Barstow Road directly within the cantonment. Minimal changes were observed to Ft. Irwin Road south of the cantonment area from 1947 to 2002, except changes in adjacent dirt road/trail activity. The proposed utility alignment along Barstow Road, between Inner Loop Road and Langford Lake Drive was a part of Fort Irwin's development from at least 1947 to the present. The area on the west side of Barstow Road, between Outer Loop Road and Inner Loop Road, was partially developed from at least 1979 to the present. Land on the east side of Barstow Road, between Outer Loop Road and Inner Loop Road, appeared as undeveloped until sometime between 2000 and 2005 when residential development was depicted between Rhineland Drive and Salerno Road.

Historically, Ft. Irwin was used as an artillery and anti-aircraft firing range and maneuver area. The constituents of concern are listed as unexploded ordinances (UXO) and munitions and explosives of concern (MEC). Based solely upon the information provided, the potential for UXO to be encountered during excavation and construction of the proposed Verizon-Ft. Irwin Fiber Project cannot be entirely precluded.

7. Military Munitions Response Program (MMRP) sites were identified within the Fort Irwin National Training Center. Our review of the 14 historical Closed, Transferring and Transferred (CTT) ranges indicated that the Small Arms Range (FTIR-004-R-01) backstop berms were situated near the southeasterly intersection of Barstow Road and Langford Lake Road (range fan to the south) in the early 1940's. This range was a combination of several small arms ranges with firing locations in approximately the same area and range fans overlap. The westerly portion of the Small Arms Range included the Rifle Range and the westerly portion included the Transition Range. Final maps depicting the boundaries of the Small Arms Range, active from the early 1940's to the mid 1980's, indicate that the former limits of the Small Arms Range encroaches into the northern section of the proposed Verizon-Ft. Irwin Fiber Project (Figure 3).

Although not discussed in the MMRP or CTT site documents provided during our research at the Environmental Management Division, 3 additional ranges were identified on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road south of the Main Gate, in the approximate vicinity of project mile marker 3.5± to 4.5± (Figure 4). A Fort Irwin General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the east side of Ft. Irwin Road near mile marker 0.0± to 1.5± of the Verizon-Ft. Irwin Fiber Project (Figure 5).

Operational Ranges within the southern third of Fort Irwin National Training Center property, where the Verizon-Ft. Irwin Fiber project is planned, consists predominantly of maneuver/training areas. It is reported that munitions used in these areas consist of small and large caliber blanks (5.56mm, 7.62mm, .50 caliber, 12-gauge, 90mm and 105mm), pyrotechnic/obscurant (tear gas [CS] hand grenades, simulator pyro main tank guns, simulator launch rockets, simulator explosive booby traps, and simulator projectile ground bursts) and other (i.e., 2.75-inch HE rocket warheads, flares and signals). One of the maneuver/training ranges reportedly also included large caliber and large caliber practice munitions.

8. Irwin Basin is a nearly closed aquifer system linked to the Langford Basin to the southeast (USACE, 2010). Groundwater production Well I-1 is mapped by the State Department of Water Resources in the cantonment along Barstow Road, near the northwesterly corner with Salerno Drive. Additional wells mapped in the cantonment portion of the proposed utility alignment, report groundwater at depths on the order of 240 feet. Wells mapped in other areas along the alignment, near the south end of the project, have historical data reporting groundwater at 350 to 400 feet in depth.
9. Exterior pole-mounted and ground transformers were observed along the proposed alignment within the cantonment during our reconnaissance. An electrical substation was observed near the Main Visitor Center on the western side of Ft. Irwin Road. From a visual standpoint, transformers throughout appeared to be in good condition.
10. Above ground storage tanks (ASTs), underground storage tanks (USTs), hazardous materials product containers/drums, hazardous waste storage enclosures, above-ground petroleum product dispenser lines, parts cleaning tanks, boiler rooms, air compressors and flammable storage cabinets were not observed in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project, with the exception of 4 aboveground diesel storage tanks observed southeast of the proposed staging area (i.e., Buildings P950 and P951). These ASTs are separated from the planned staging area by chain-link fencing and a boulder barricade. In addition, an emergency generator with attached diesel fuel tank was observed near Building P12.

11. No sites were identified in our search of various government agency database records, which appear to have impacted soils or groundwater beneath the subject site, except for an open assessment case regarding waste electrolyte disposal pits situated north of the planned staging area. These cases are identified by the State Regional Water Quality Control Board as FTIR-12A and -12B, and related to Buildings 941 and 946. A second case near the planned staging area was noted. The case is associated with a former waste oil underground storage tank that reportedly affected soil only, and is mapped near the corner of South Loop Road and Langford Lake Road. This "Closed" case is identified by the State Regional Water Quality Control Board as FTIR-28. These listings would typically be considered a recognized environmental concern since it is in close proximity (north) to, and up groundwater gradient from the staging area; however, since subsurface excavations are not anticipated in the staging area as well as the staging area consisting of a concrete slab-on-grade, this listing does not appear to represent a recognized environmental condition with regards to the subject site at this time.
12. There was no evidence of sumps, pits, pools, or lagoons visually identified in the immediate vicinity of the proposed Verizon-Ft. Irwin Fiber Project; however, waste electrolyte disposal pits were reported to have existed north of the staging area (Buildings 941 and 946).

RECOGNIZED ENVIRONMENTAL CONDITIONS

Recognized environmental conditions are defined by the American Society of Testing and Materials (ASTM) as any hazardous substance or petroleum product under conditions that indicate an existing, past, or material threat of release into the structures, ground, groundwater, or surface water at the subject site. If the presences of recognized environmental conditions are identified on a subject site, it may warrant additional research, site evaluation, and/or action.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 of the Proposed Verizon-Ft. Irwin Fiber Project located at United States Army Garrison, Fort Irwin, San Bernardino County, California. Any exceptions to, or deletions from, this practice are described in section titled data gaps of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the proposed Verizon-Ft. Irwin Fiber Project, except the following:

- Military Munitions Response Program (MMRP) sites were identified within the Ft. Irwin National Training Center based upon assessment of historic maps and readily available regulatory databases. Based upon our research with the Fort Irwin Environmental Management Division, there is one, Closed, Transferring and Transferred (CCT) range (i.e., Small Arms Range) situated in close proximity to the north portion of the proposed Verizon-Ft. Irwin Fiber project that may affect the proposed construction. The Small Arms Range is mapped along the eastern edge of Barstow Road, between Langford Lake Road and Outer Loop Road, including the intersection of Ft. Irwin Road and Outer Loop Road (Figure 3). The Small Arms Range is considered a recognized environmental concern, particularly within undeveloped areas of the former range. Petra recommends that proposed construction work areas in close proximity to

this range be cleared of military munitions, unexploded ordnance (UXO), discarded military munitions, and munitions constituents prior to the start of excavation.

- Three additional ranges were identified solely on historical Fort Irwin Vicinity and Range maps. A 1945 range map depicted Bombing Range M situated on the west side of Ft. Irwin Road in the area of project mile marker 3.5± to 4.5± (Figure 4). A Fort Irwin 1950's Ranges and Airfield Facilities map and General Site Map from 1969 depicted the Scorpion Range in the same area as Bombing Range M, and the Lizard Gulch Range on the west side of Ft. Irwin Road near project mile marker 0.5± to 1.5± of the project (Figure 5). Military munitions, UXO, discarded military munitions, and munitions constituents, which may exist within the 3 ranges, are considered hazardous materials as defined by the Resource Conservation Recovery Act (RCRA). Petra recommends that proposed construction work areas within or in close proximity to the 3 ranges be cleared of military munitions, unexploded ordnance (UXO), discarded military munitions, and munitions constituents prior to the start of excavation.

SITE CONSIDERATIONS

The following items are not considered recognized environmental conditions in accordance with ASTM 1527-13. However, these items may warrant considerations in conjunction with any planned development activities. The information regarding possible actions relative to these items has been provided as guidance.

- As with any historic military camp or active duty installation, the potential for military munitions to be encountered during utility construction cannot be completely precluded. As a result, consideration may be given to having the approved alignment of the Verizon-Ft. Irwin Fiber Project, in undeveloped areas, evaluated for military munitions, UXO's, discarded military munitions, and munitions constituents prior to the start of excavations.

LIMITATIONS

This Phase I Environmental Site Assessment is based upon the project as described, as well as the environmental data obtained from the field reconnaissance and research performed as outlined in this report. This report has not been prepared for use by parties or projects other than ECORP Consulting, Inc. and the Verizon-Ft. Irwin Fiber Project, or as described in this report. Additional studies may be recommended.

Since our assessment is based upon a review of available data and visual inspection of the site, without any invasive evaluation, the conclusions presented herein are professional opinions. These opinions have been derived in accordance with current standards of practice, and no warranty is expressed or implied.

This firm's evaluation of previous reports and/or subconsultant reports focuses on the completeness of the information presented in the document, in accordance with applicable rules and regulations, and does not include the establishment of data sufficiency or accuracy.

QUALIFICATIONS

Resumes for the staff who contributed to this report are presented in Appendix E.

“We the undersigned declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. We have the specific qualification based on education, training, and experience to assess a property of the nature, history, and setting of the subject site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.”

We appreciate this opportunity to be of service. Should you have questions, please contact this office.

Respectfully submitted,

PETRA GEOSCIENCES, INC.



Edward P. Lump
Associate Geologist
PG 5975



Siamak Jafroudi, PhD,
President, Senior Principal Engineer
GE 2024



EL/JC/SJ/nbc

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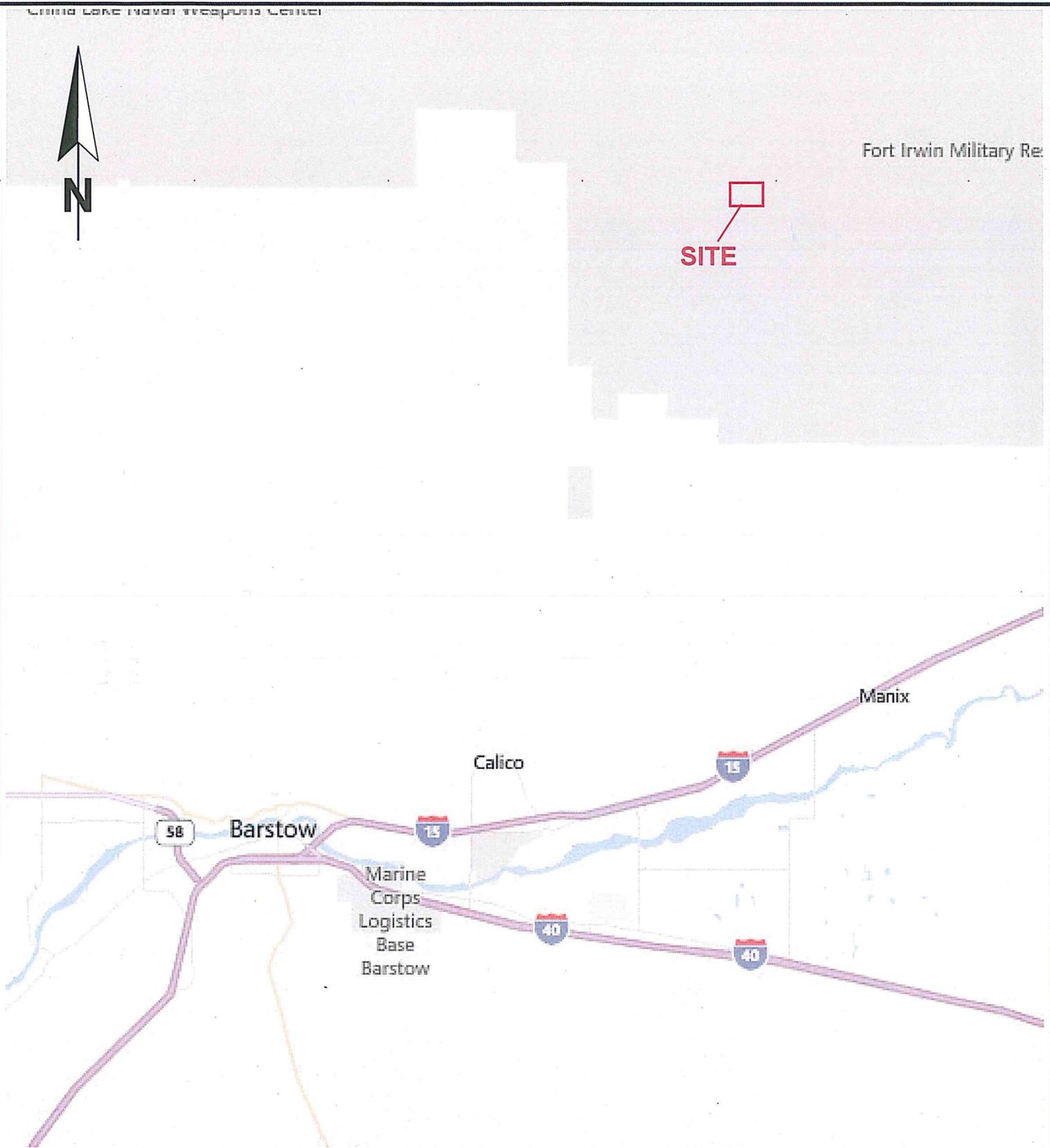
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Summary of USGS Aerial Photographs Reviewed		
Date	Photo ID	Scale
2-24-1947	AR1CW0000090075	1"=2366'
2-14-1947	AR1CW0000030048	1"=2366'
2-24-1947	AR1CW0000090032	1"=2366'
9-22-1979	AR1VETT00010025	1"=6666'
9-22-1979	AR1VETT00010034	1"=6666'
6-26-1983	NC1NHAP830095127	1"=4833'
6-26-1983	NC1NHAP830095068	1"=4833'
7-30-1989	NP0NAPP001833030	1"=3333'
7-30-1989	NP0NAPP001833032	1"=3333'
7-30-1989	NP0NAPP001833126	1"=3333'
10-01-1995	N10NAPPW0687031	1"=3333'
10-01-1995	N10NAPPW0687033	1"=3333'
6-4-2002	NP0NAPP012501034	1"=3333'
6-4-2002	NP0NAPP012501036	1"=3333'
6-4-2002	NP0NAPP012501088	1"=3333'

Summary of USGS Topographic Maps Photographs Reviewed		
Date	Map ID	Scale
1933	Avawatz Mountains Quadrangle	1:250000
1947	Trona Quadrangle	1:250000
1948	Tiefert Mountains Quadrangle (15 Minute Series)	1:62500
1948	Alvord Mountain Quadrangle (15 Minute Series)	1:62500
1948	Lane Mountain Quadrangle (15 Minute Series)	1:62500
1951	Tiefert Mountains Quadrangle (15 Minute Series)	1:62500
1951	Alvord Mountain Quadrangle (15 Minute Series)	1:62500
1951	Lane Mountain Quadrangle (15 Minute Series)	1:62500
1957	Trona Quadrangle	1:250000
1960	Trona Quadrangle	1:250000
1986	Fort Irwin Quadrangle (7.5 Minute Series)	1:24000
1986	Langford Well Quadrangle (7.5 Minute Series)	1:24000
1986	Paradise Range Quadrangle (7.5 Minute Series)	1:24000
2015	Fort Irwin Quadrangle (7.5 Minute Series)	1:24000
2015	Langford Well Quadrangle (7.5 Minute Series)	1:24000
2015	Paradise Range Quadrangle (7.5 Minute Series)	1:24000

FIGURES



LEGEND



- Approximate Site Location

Reproduced from Bing Maps, 2015



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TEMECULA, CALIFORNIA 92591
PHONE: (951) 600-9271

COSTA MESA

MURRIETA

PALM DESERT

SANTA CLARITA

Site Location Map

Fort Irwin US Army Garrison
SAN BERNARDINO COUNTY, CALIFORNIA

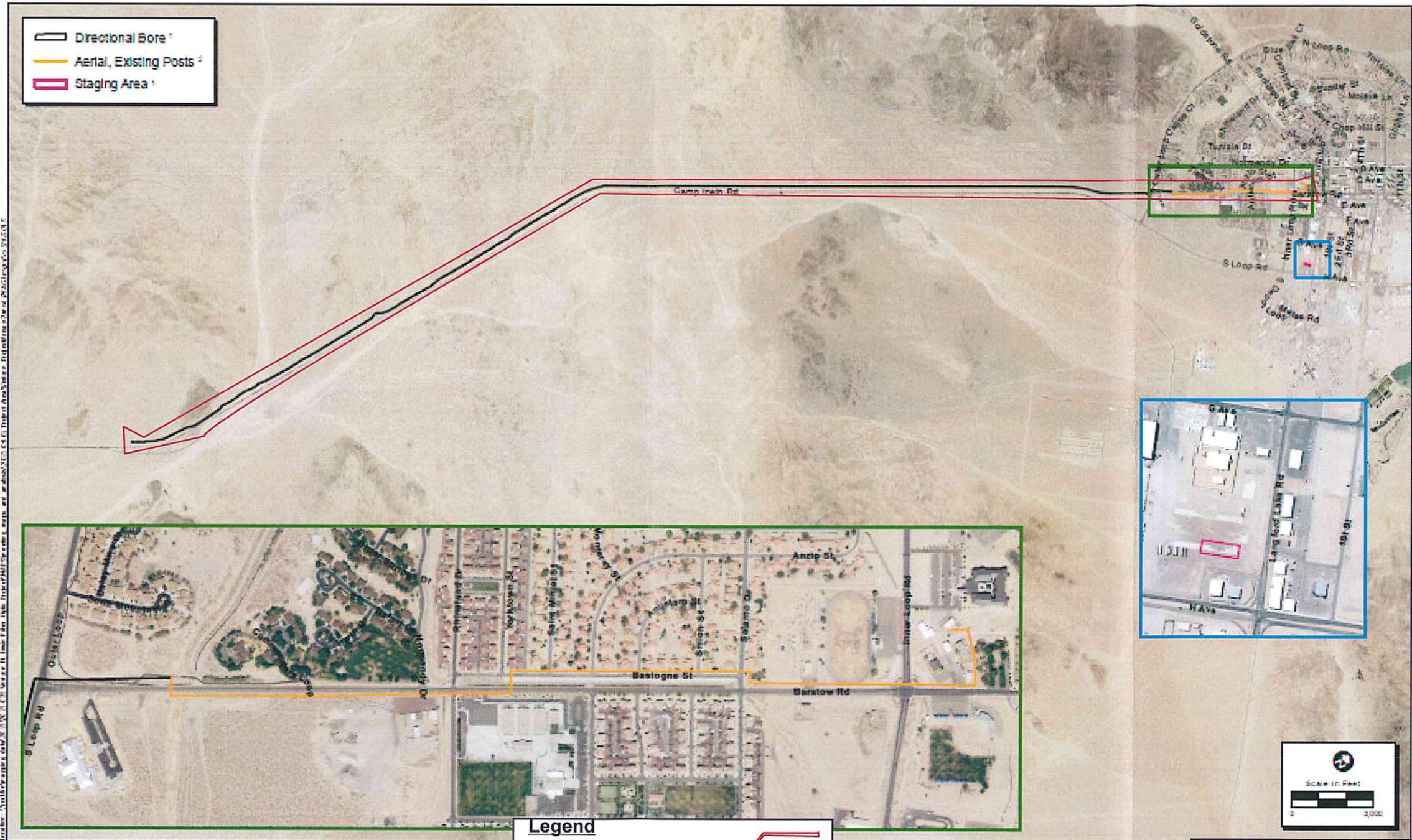
DATE: November 2015

J.N.: 15-177

DWG BY: ***

SCALE: NTS

Figure 1



Directional Bore ¹
 Aerial, Existing Posts ²
 Staging Area ¹

Leader: Mountain Top Communications Solutions LLC (MTC) | Date: 11/14/15 | Project: Verizon - Ft. Irwin Fiber Optic Project | Scale: 1" = 1,000' | Map Reference: ECORP CONSULTING, 2015

Map Date: 5/4/2015
¹ Ft. Irwin (Innapedia)
² Mountain Top Communications Solutions LLC (MTC)



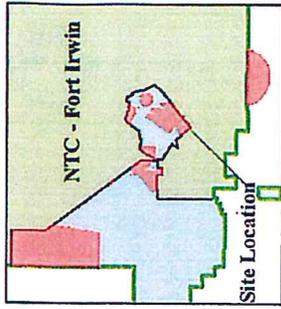
Legend

Approximate Site Location
 Approximate Staging Location
 Map Reference: ECORP CONSULTING, 2015

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 PHONE: (714) 549-8921

Site Aerial Photograph
 Verizon - Ft. Irwin Fiber Optic Project
 Fort Irwin, San Bernardino County, California

	DATE: November, 2015	Figure 2
	J.N.: 15-177	



Legend

- Ammo Storage Point
- Modified Range Boundaries
- Small Arms Range
- Combat Range 1
- Carbine Transition Range
- CTT Range Boundary
- Small Arms Range
- Installation Use Area
- Operational

Military Munitions Response Program
Historical Records Review

National Training Center, Fort Irwin
San Bernardino County, California

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT
CONTRACT W912DR-06-C-0029

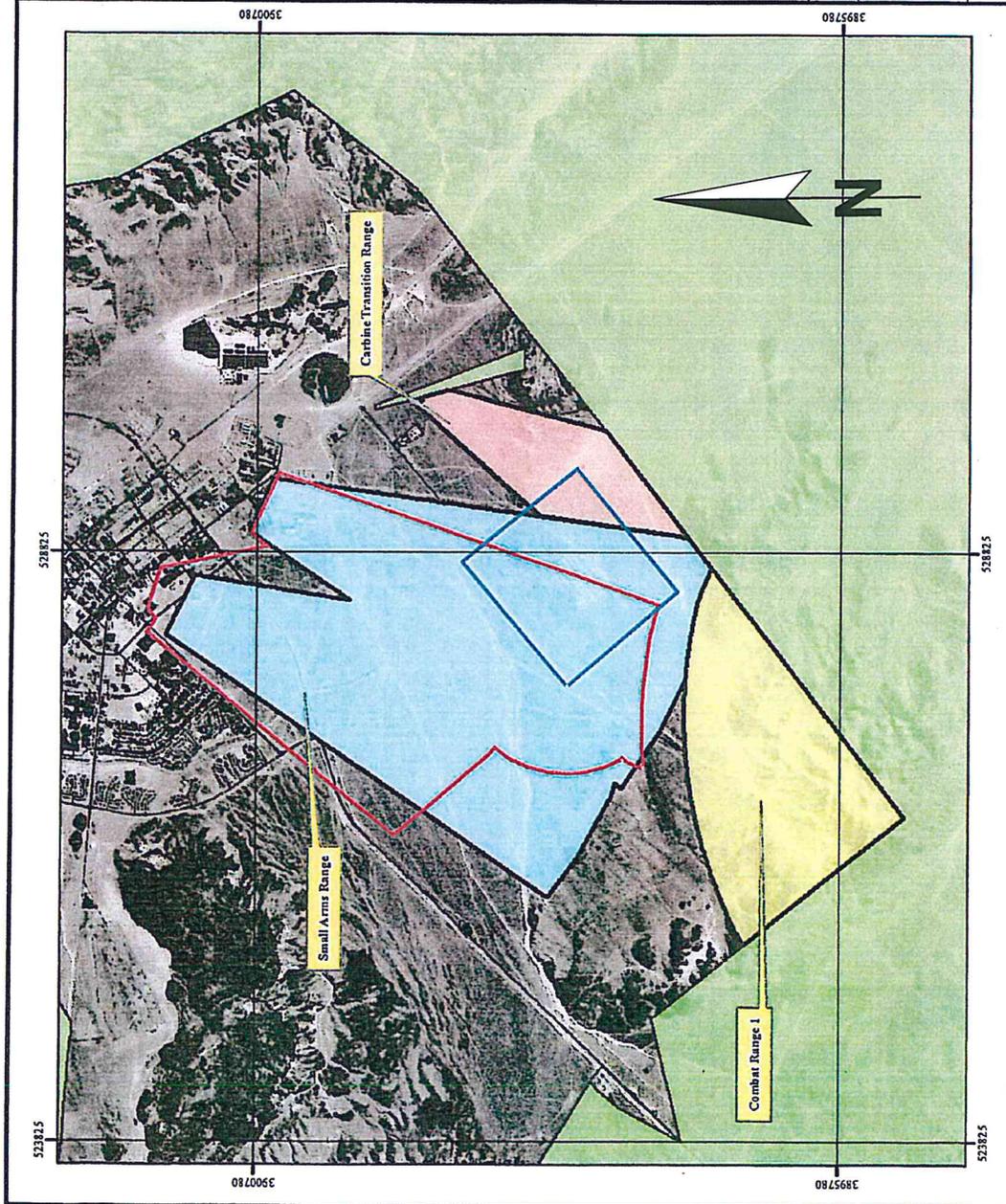
FIGURE 4-20

CTT Small Arms Range and Modified Boundaries



FPM group

Date: September, 2007



Note/Reference: Modified Small Arms Range boundary determined by modified 1945 Rifle Range and Transition Range.

Projection: UTM, Zone 11
Horizontal Datum: NAD83
Units: Meters
Scale: 1:50,000
Photo Date: 1994

1 centimeter equals 500 meters

Meters: 0, 550, 1,100, 1,650, 2,200
Feet: 0, 1,800, 3,600, 5,400, 7,200

LEGEND



- Approximate Location of Small Arms Range



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COSTA MESA

MURRIETA

PALM DESERT

SANTA CLARITA

Small Arms Range Location Map

Verizon - Ft. Irwin Fiber Project
Fort Irwin, San Bernardino County, California

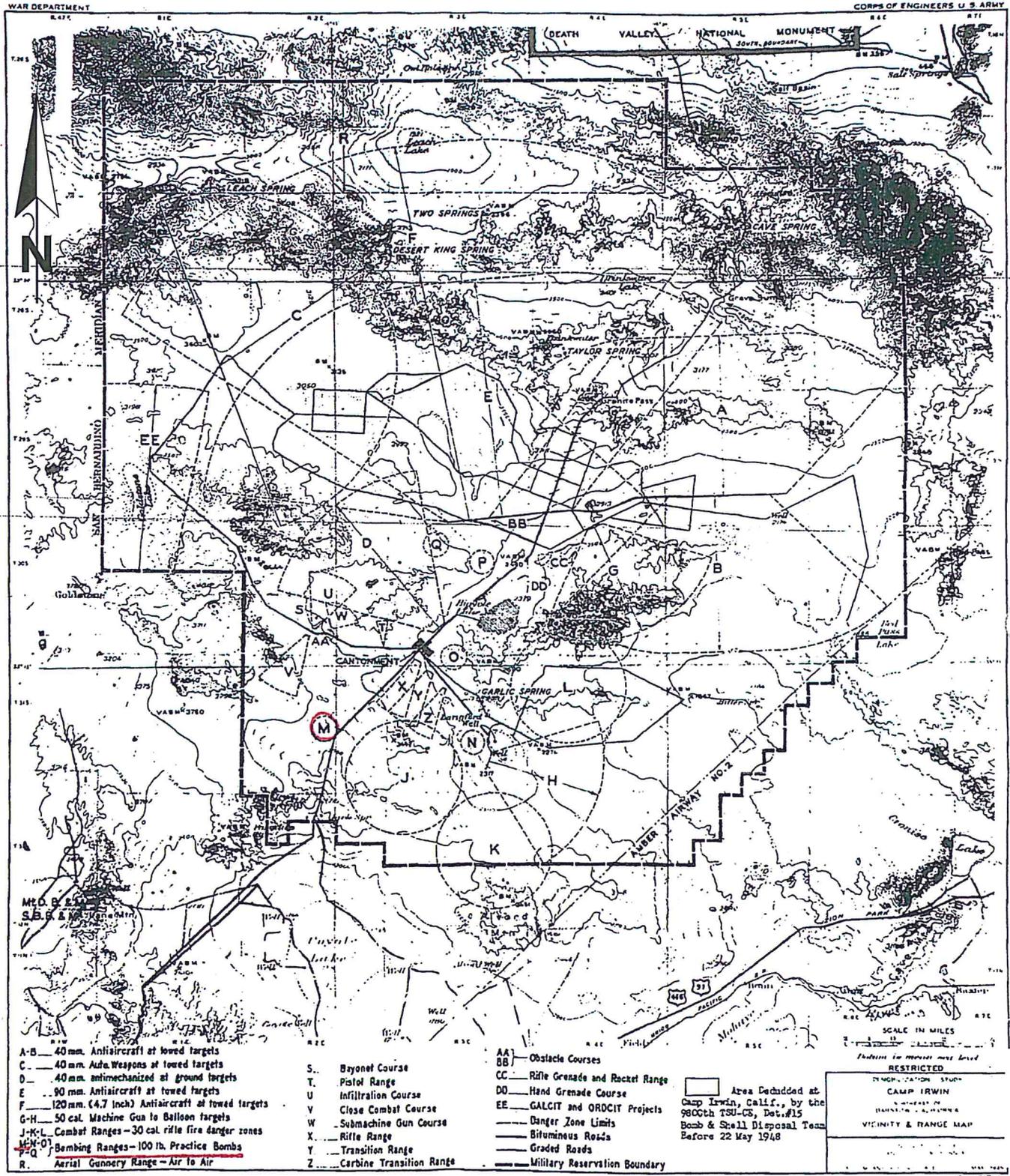
DATE: November 2015

J.N.: 15-177

DWG BY: epl

SCALE: NTS

Figure 3



- A-B 40 mm. Antiaircraft at towed targets
- C 40 mm. Auto. Weapons at towed targets
- D 40 mm. Antimechanized at ground targets
- E 90 mm. Antiaircraft at towed targets
- F 120 mm. (4.7 inch) Antiaircraft at towed targets
- G-H 50 cal. Machine Gun to Balloon targets
- J-K-L Combat Ranges-30 cal. rifle fire target zones
- M-Q Bombing Ranges-100 lb. Practice Bombs
- R Aerial Gunnery Range-Air to Air

- S. Bayonet Course
- T. Pistol Range
- U Infiltration Course
- V Close Combat Course
- W Submachine Gun Course
- X Rifle Range
- Y Transition Range
- Z Carbine Transition Range
- AA Obstacle Courses
- BB Hand Grenade Course
- CC Rifle Grenade and Rocket Range
- DD Hand Grenade Course
- EE GALGIT and ORDCIT Projects
- Area Decluded at Camp Irwin, Calif., by the 9800th TSU-CS, Det.#15 Bomb & Shell Disposal Team Before 22 May 1948
- Danger Zone Limits
- Bituminous Roads
- Graded Roads
- Military Reservation Boundary

SCALE IN MILES
0 1 2 3 4 5
Prohibit to remove from level
RESTRICTED
INFORMATION STATE
CAMP IRWIN
VICINITY & RANGE MAP
CAMPBUT 0

NTC0024

LEGEND

(M) - Approximate Site Location

PETRA GEOSCIENCES, INC.
40880 COUNTY CENTER DRIVE, SUITE R
TEMECULA, CALIFORNIA 92591
PHONE: (951) 600-9271
COSTA MESA MURRIETA PALM DESERT SANTA CLARITA

Bombing Range M Location Map

Verizon-Ft. Irwin Fiber Project
Fort Irwin NTC, San Bernardino County, California

DATE: November 2015 J.N.: 15-177
DWG BY: epl SCALE: NTS

Figure 4

APPENDIX A

SITE PHOTOGRAPHS



Photo #1 One pole-mounted transformer and three pole-mounted transformers observed on the northwest side of building 25 and north of building 13 west of Barstow Road.



Photo #2 Photo along Barstow Road west side looking southwest along proposed route of Verizon fiber optic cable project area.



Photo # 3 View of proposed Verizon fiber optic project route along Barstow Road, at the corner of Inner Loop Road and Barstow Road, and east of the multipurpose field.



Photo # 4 View of Bastogne St. looking southwest along proposed Verizon fiber optic project route.



Photo # 5 Pad mounted transformer located on Bastogne St. along the proposed Verizon fiber optic project route, southwest of ST. Mihiel Street.



Photo # 6 View along Yorktown St. of the proposed Verizon fiber optic project crossing.



Photo # 7 Northeast side of Barstow Road at the corner of Rhineland Drive and Barstow Road. View of the Verizon fiber optic project route along the east side power line poles.



Photo # 8 View of the proposed staging area for the Verizon fiber optic project.



Photo # 9 View of AST's located east of proposed staging, at the corner of Langford Lake Road and South Loop Road.



Photo # 10 View of Verizon fiber optic project route at the corner of Barstow Road and North Loop Road looking east along Barstow Road.



Photo #11 View of Verizon fiber optic route south of North Loop Road and Barstow Road.



Photo #12 View along Fort Irwin Road of Verizon fiber optic route that extends parallel to Fort Irwin Road. Area is north of the Visitor Center.



Photo #13 Verizon fiber optic route west of Tierfort Intermediate School along Barstow Road.



Photo # 14 View of proposed Verizon route looking north and west of the Painted Rock location.

APPENDIX B

AGENCY SEARCH RESULTS



Lat: 35.26668, Long: -116.73370

Division of Oil, Gas & Geothermal Resources Well Finder

Find By Location

Find My Current Location

Street:

City:

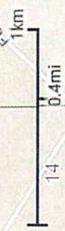
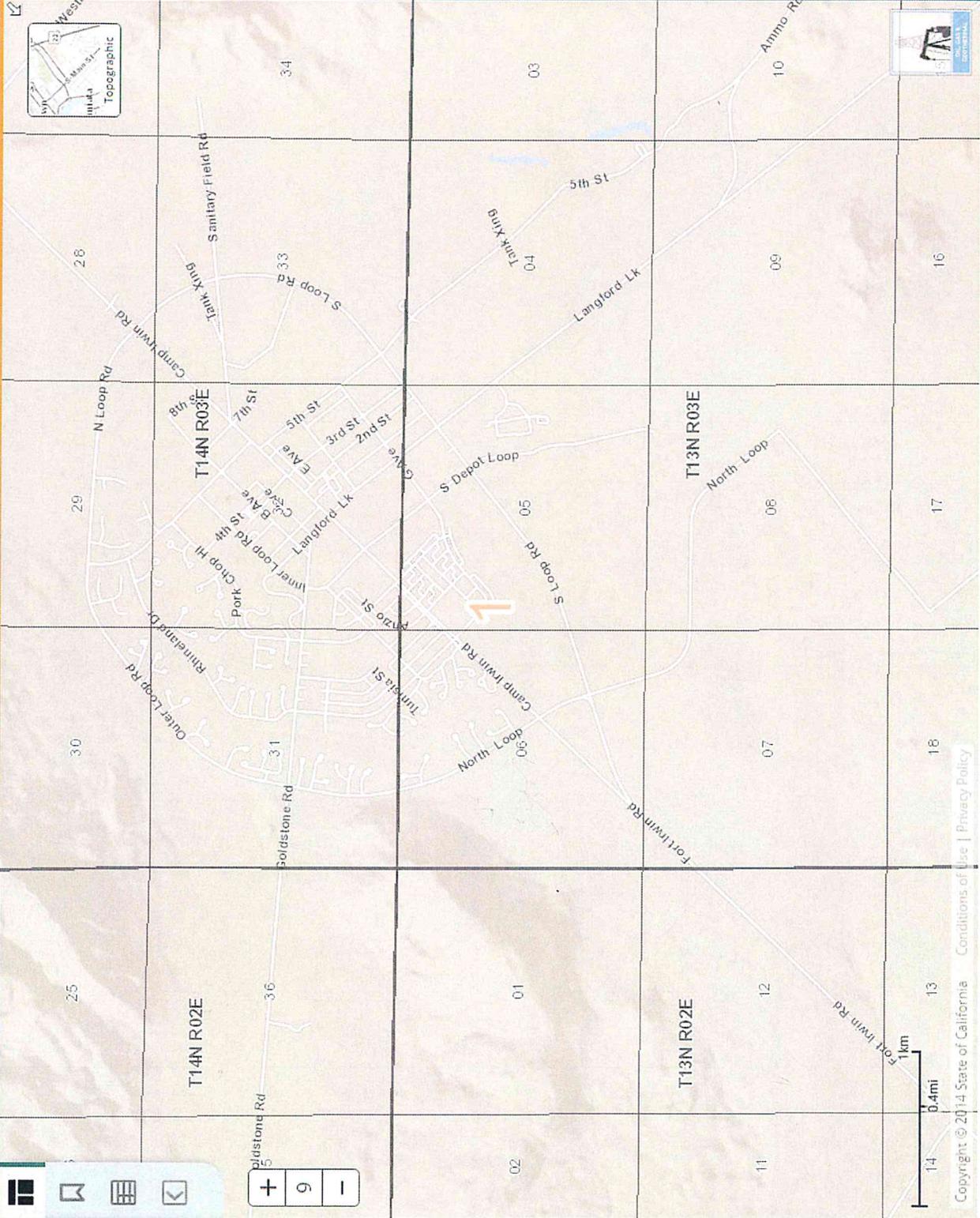
Zip:

Display a 1500ft buffer

- Find By API
- Find By Lat, Long
- Find By PLSS
- Find By Oil/Gas Field

Data (Layers):

- Notices & Permits
- DOGGR Wells
- Enhanced Oil Recovery Wells
- Disposal Wells
- State Assembly Districts
- State Senate Districts
- Congressional Districts
- Oil/Gas Fields
- Public Land Survey System
- DOGGR Districts
- Cities
- Counties
- Streets



Division of Oil, Gas & Geothermal Resources Well Finder

Find By Location

Find My Current Location

Street:

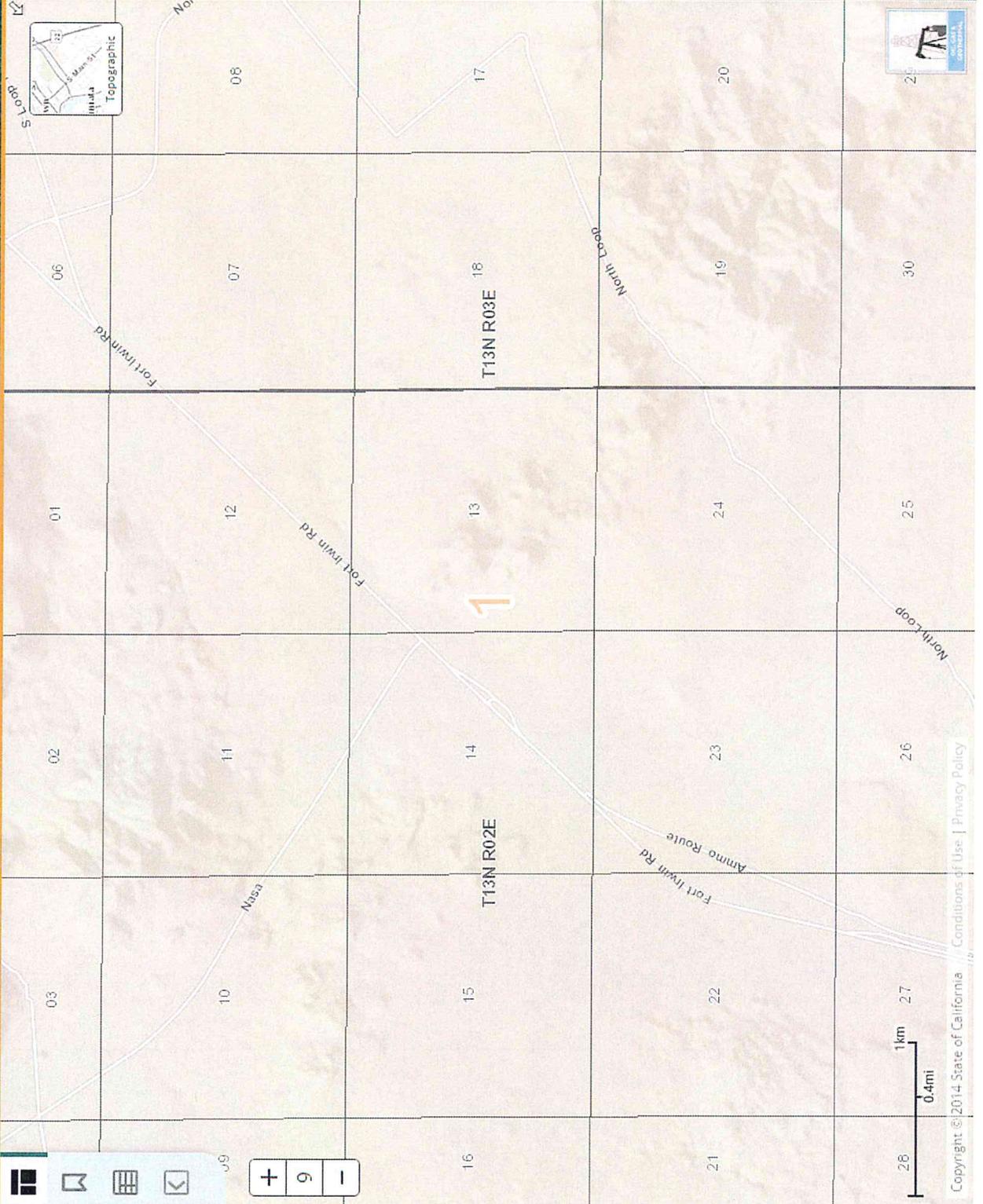
City:

Zip: Find

Display a 1500ft buffer

- Find By API
- Find By Lat. Long
- Find By PLSS
- Find By Oil/Gas Field

- Data (Layers):**
- Notices & Permits
 - DOGGR Wells
 - Label: API# Well# Detailed
 - EPA Wells for Aquifer Exemption Review
 - Enhanced Oil Recovery Wells
 - Disposal Wells
 - State Assembly Districts
 - State Senate Districts
 - Congressional Districts
 - Oil / Gas Fields
 - Public Land Survey System
 - DOGGR Districts
 - Cities
 - Counties
 - Streets








Division of Oil, Gas & Geothermal Resources Well Finder

Find By Location

Find My Current Location

Street:

City:

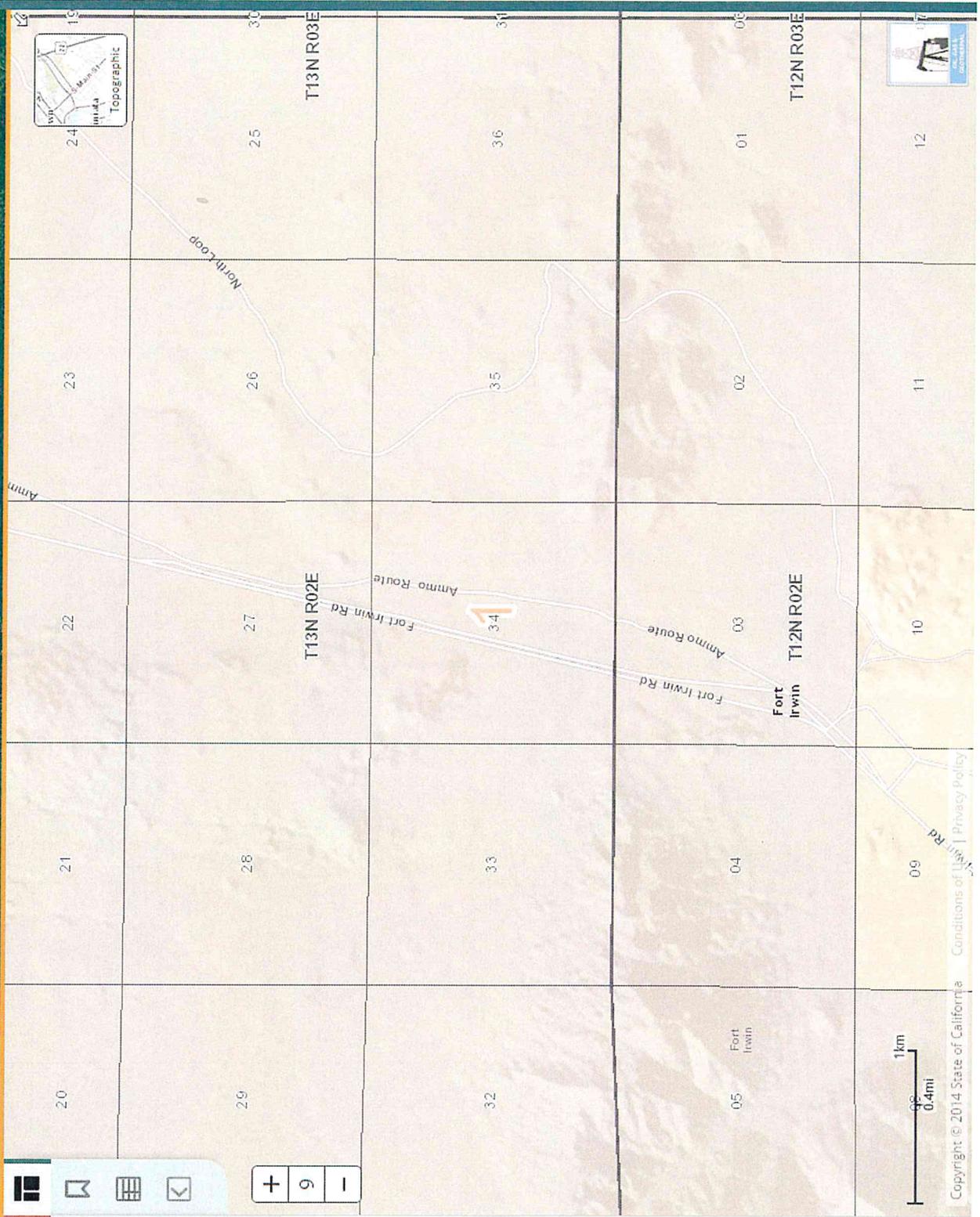
Zip: Find

Display a 1500ft buffer

- Find By API
- Find By Lat, Long
- Find By PLSS
- Find By Oil/Gas Field

Data (Layers):

- Notices & Permits
- DOGGR Wells
 - Label: **API#** Well# Detailed
- EPA Wells for Aquifer Exemption Review
 - Enhanced Oil Recovery Wells
 - Disposal Wells
- State Assembly Districts
- State Senate Districts
- Congressional Districts
- Oil/Gas Fields
- Public Land Survey System
- DOGGR Districts
- Cities
- Counties
- Streets





Division of Oil, Gas & Geothermal Resources Well Finder

Find By Location

Find My Current Location

Street:

City:

Zip: Find

Display a 1500ft buffer

Find By API

Find By Lat. Long

Find By PLSS

Find By Oil/Gas Field

- Data (Layers):**
- Notices & Permits
 - DOGGR Wells
 - Label: API# Well# Detailed
 - EPA Wells for Aquifer Exemption Review
 - Enhanced Oil Recovery Wells
 - Disposal Wells
 - State Assembly Districts
 - State Senate Districts
 - Congressional Districts
 - Oil / Gas Fields
 - Public Land Survey System
 - DOGGR Districts
 - Cities
 - Counties
 - Streets



- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search

To find monitoring stations for a specific location, enter a name or zip code into the text box below.

Site Type

Select the desired site type using the check boxes

Groundwater Level

Water Quality

Continuous Data

Multiple Stations at one Location

Cluster, showing number of stations

Include Historical Data

Cursor Coordinates (WGS84)
 Lat: 35.3362, Long: -116.7933

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS

You should view the map with Internet Explorer 9, Firefox 31, Chrome 36, or Safari 4 or later versions of these browsers.

- [Water Data Library Home](#)
- [Groundwater Level Data](#)
- [Water Quality Data](#)
- [Continuous Data](#)
- [Historical Information](#)
- [Contact Information](#)

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search

To find monitoring stations in a specific area, enter the place name or zip code into the text box below.

Site Type

Select the desired site type using the checkboxes

- Groundwater Level
- Water Quality
- Continuous Data
- Include Historic Data
- Continuous Data

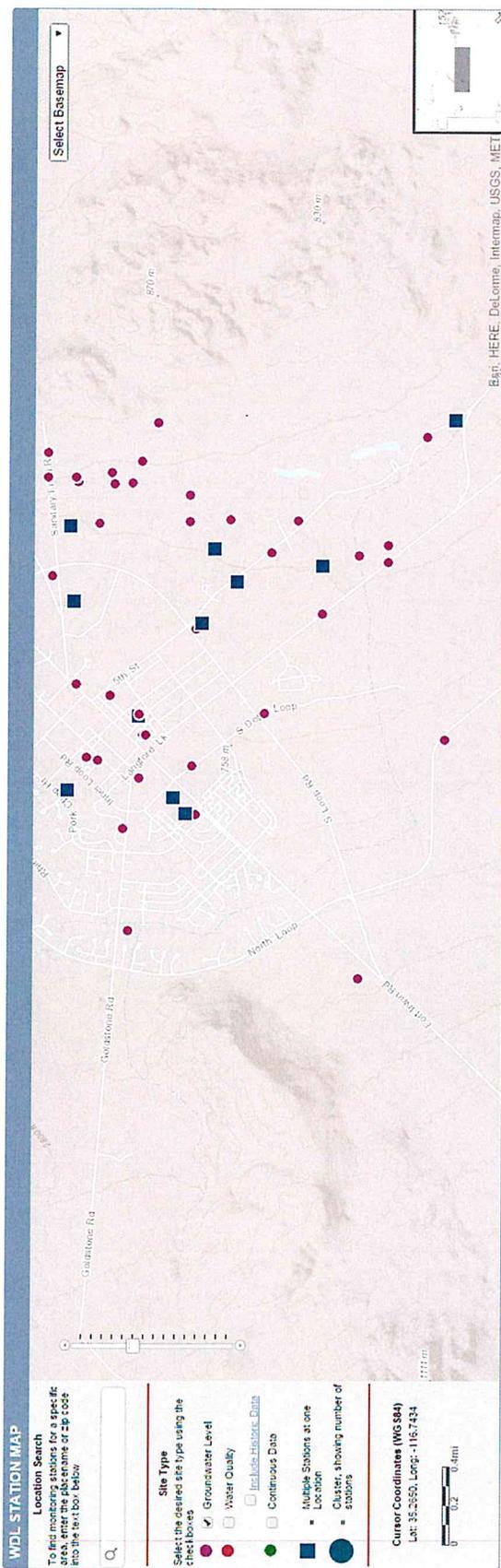
Multiple Stations at one Location

- Cluster, showing number of stations

Cursor Coordinates (WG S84)
 Lat: 35.2550, Long: -116.7434

Scale: 0.2 0.4mi

Attribution: Bg: HERE, DeLorme, Intermap, USGS, MET



- [Water Data Library Home](#)
- [Groundwater Level Data](#)
- [Water Quality Data](#)
- [Continuous Data](#)
- [Historical Information](#)
- [Contact Information](#)

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search
To find monitoring stations for a specific area, enter the placename or zip code into the text box below.

Site Type
Select the desired site type using the checkboxes.

Groundwater Level

Water Quality

Inactive Historic Data

Continuous Data

Multiple Stations at one Location

Cluster, showing number of stations

Cursor Coordinates (WGS84)
Lat: 35.3451, Long: -118.7445

0.2 0.4mi

Select Basemap

You should view the map with Internet Explorer 9, Firefox 31, Chrome 35, or Safari 4 or later versions of these browsers.

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 352566N1166932W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data	Recent Groundwater Level Data	Historical Groundwater Level Data
<p>State Well Number: 13ND3E05D001S Local Well ID: Site Code: 352566N1166932W001 Latitude (NAD83): 35.256600 Longitude (NAD83): -116.6932 Groundwater Basin (code): Irwin (6-36.02)</p>		
<p>Well Use: Unknown Well Status: Active Well Completion Report Number: Reference Point Elevation (NAVD88 ft): 2523.69 Ground Surface Elevation (NAVD88 ft): 2523.69 Total Depth (ft): Confidential Perforated Interval Depths (ft): Confidential</p>		

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 352566N1166932W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data

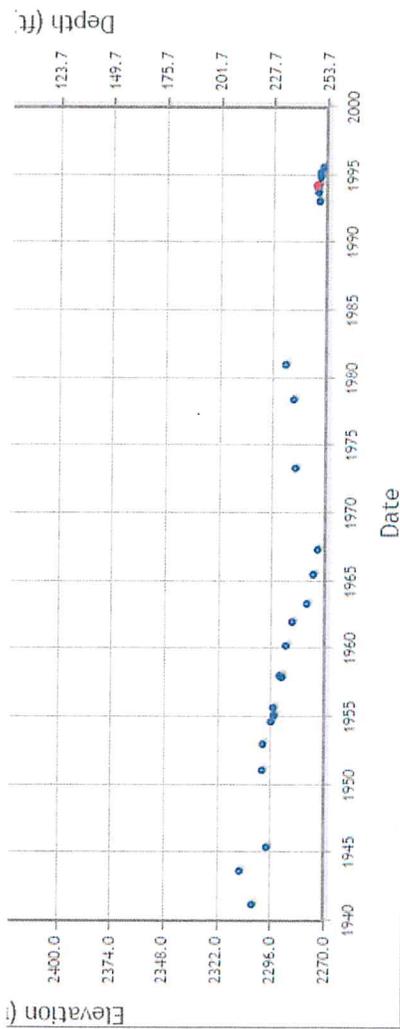
Recent Groundwater Level Data

Historical Groundwater Level Data

Groundwater Levels for Well 352566N1166932W001

Download CSV File

Date	RPE	GSE	RPWS	WSE	GS to WS	Msmt Code	CASGEM Msmt	Agency	Comments
03/15/1941 00:00	2523.690	2523.690	219	2304.69	219	N	N	5167	
09/01/1943 00:00	2523.690	2523.690	213	2310.69	213	N	N	5167	
06/01/1945 00:00	2523.690	2523.690	226	2297.69	226	N	N	5167	
02/01/1951 00:00	2523.690	2523.690	223.7	2299.99	223.7	N	N	5167	
01/01/1953 00:00	2523.690	2523.690	224	2299.69	224	N	N	5167	



[Download CSV File](#)

Date	RPE	GSE	RPWS	WSE	GS to WS	Msmt Code	CASGEM Msmt	Agency	Comments
03/15/1941 00:00	2523.690	2523.690	219	2304.69	219		N	5167	
09/01/1943 00:00	2523.690	2523.690	213	2310.69	213		N	5167	
06/01/1945 00:00	2523.690	2523.690	226	2297.69	226		N	5167	
02/01/1951 00:00	2523.690	2523.690	223.7	2299.99	223.7		N	5167	
01/01/1953 00:00	2523.690	2523.690	224	2299.69	224		N	5167	
09/01/1954 00:00	2523.690	2523.690	228	2295.69	228		N	5167	
02/17/1955 00:00	2523.690	2523.690	229.42	2294.27	229.42		N	5167	
09/09/1955 00:00	2523.690	2523.690	229	2294.69	229		N	5167	
12/01/1957 00:00	2523.690	2523.690	233	2290.69	233		N	5167	
01/20/1958 00:00	2523.690	2523.690	232	2291.69	232		N	5167	
04/01/1960 00:00	2523.690	2523.690	235	2288.69	235		N	5167	
01/01/1962 00:00	2523.690	2523.690	238	2285.69	238		N	5167	
05/01/1963 00:00	2523.690	2523.690	245	2278.69	245		N	5167	
07/01/1965 00:00	2523.690	2523.690	248	2275.69	248		N	5167	
05/01/1967 00:00	2523.690	2523.690	250	2273.69	250		N	5167	
05/01/1973 00:00	2523.690	2523.690	239	2284.69	239		N	5167	
06/01/1978 00:00	2523.690	2523.690	238	2285.69	238		N	5167	
01/01/1981 00:00	2523.690	2523.690	234	2289.69	234		N	5167	
02/02/1993 00:00	2523.690	2523.690	250.02	2273.67	250.02		N	5167	
09/23/1993 00:00	2523.690	2523.690	249.4	2274.29	249.4		N	5167	
02/16/1994 00:00	2523.690	2523.690	249.16	2274.53	249.16		N	5167	
04/01/1994 00:00	2523.690	2523.690	248.97	2274.72	248.97	Q-2	N	5167	
11/21/1994 00:00	2523.690	2523.690	250.5	2273.19	250.5		N	5167	
03/06/1995 00:00	2523.690	2523.690	250.45	2273.24	250.45		N	5167	
09/04/1995 00:00	2523.690	2523.690	251.85	2271.84	251.85		N	5167	
10/20/2010 00:00	2523.690	2523.690				N-6	N	5167	

All elevation and depth measurements are in feet. The vertical datum for recent measurements is NAVD88.

[Perform a New Well Search](#)

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search
To find monitoring stations for a specific area, enter the placename or zip code into the text box below.

Site Type
Select the desired site type using the checkboxes.

Groundwater Level

Water Quality

Continuous Data

Includes Historical Data

Multiple Stations at one Location
Cluster, showing number of stations

Cursor Coordinates (WGS84)
Lat: 35.2531, Long: -116.7255

Multiple stations at this location:

- Groundwater Level Station: 352574H1166931W001
- Groundwater Level Station: 352574H1166931W003
- Groundwater Level Station: 352574H1166931W002

[Zoom In](#)

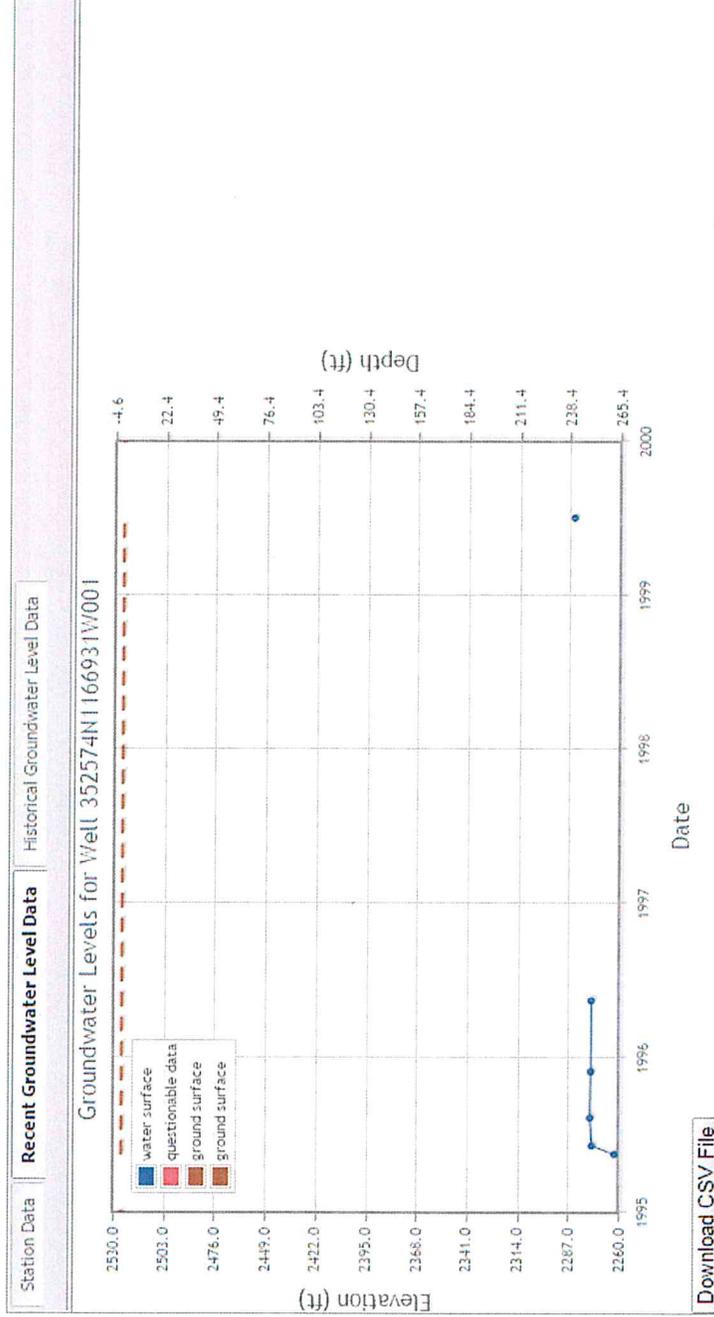
Select Basemap

You should view the map with Internet Explorer 9, Firefox 31, Chrome 36, or Safari 4 or later versions of these browsers

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 352574N1166931W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.



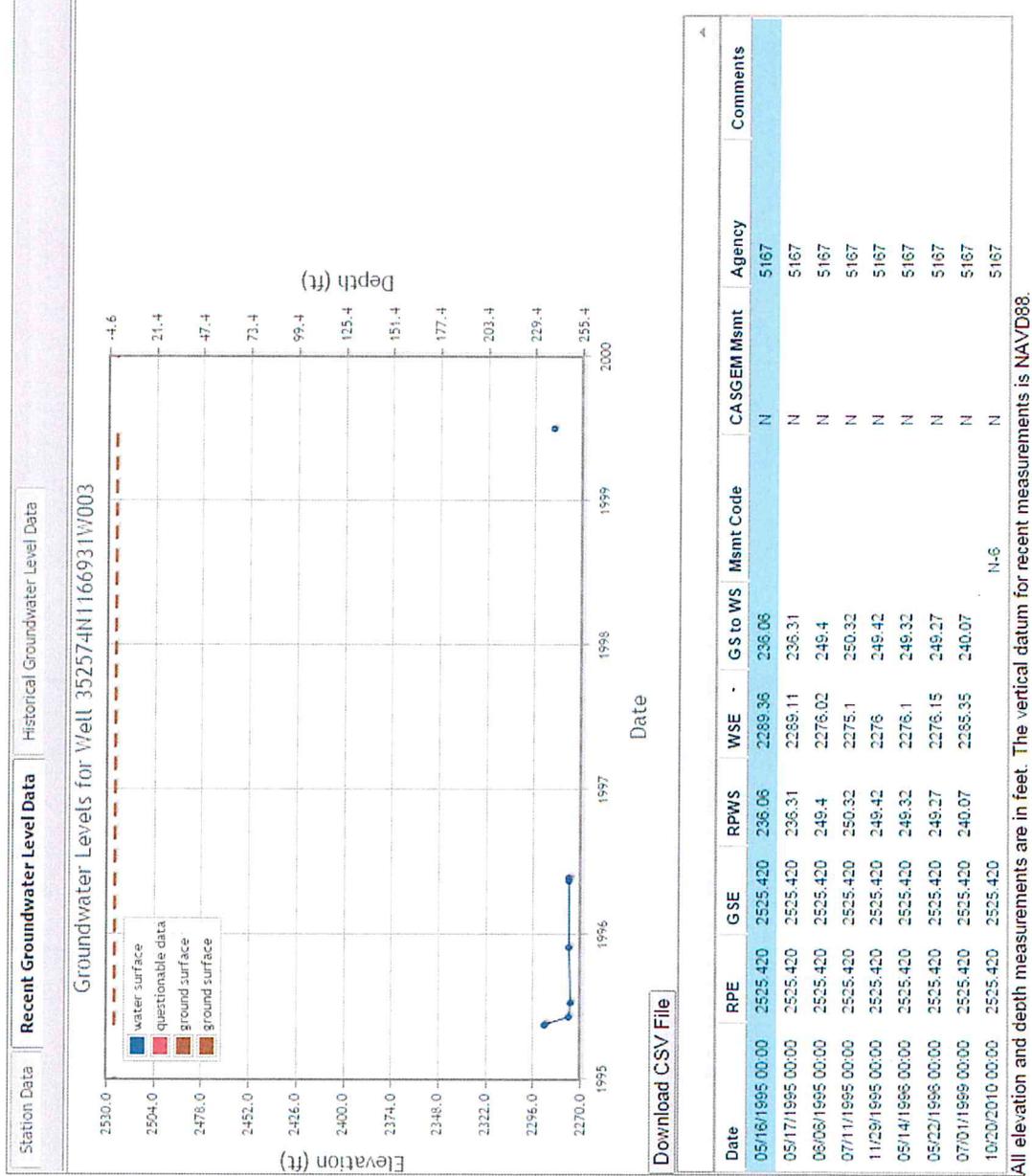
Download CSV File

All elevation and depth measurements are in feet. The vertical datum for recent measurements is NAVD88.

- » Water Data Library Home
- » Groundwater Level Data
- » Water Quality Data
- » Continuous Data
- » Historical Information
- » Contact Information

Groundwater Levels for Station 352574N1166931W003

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

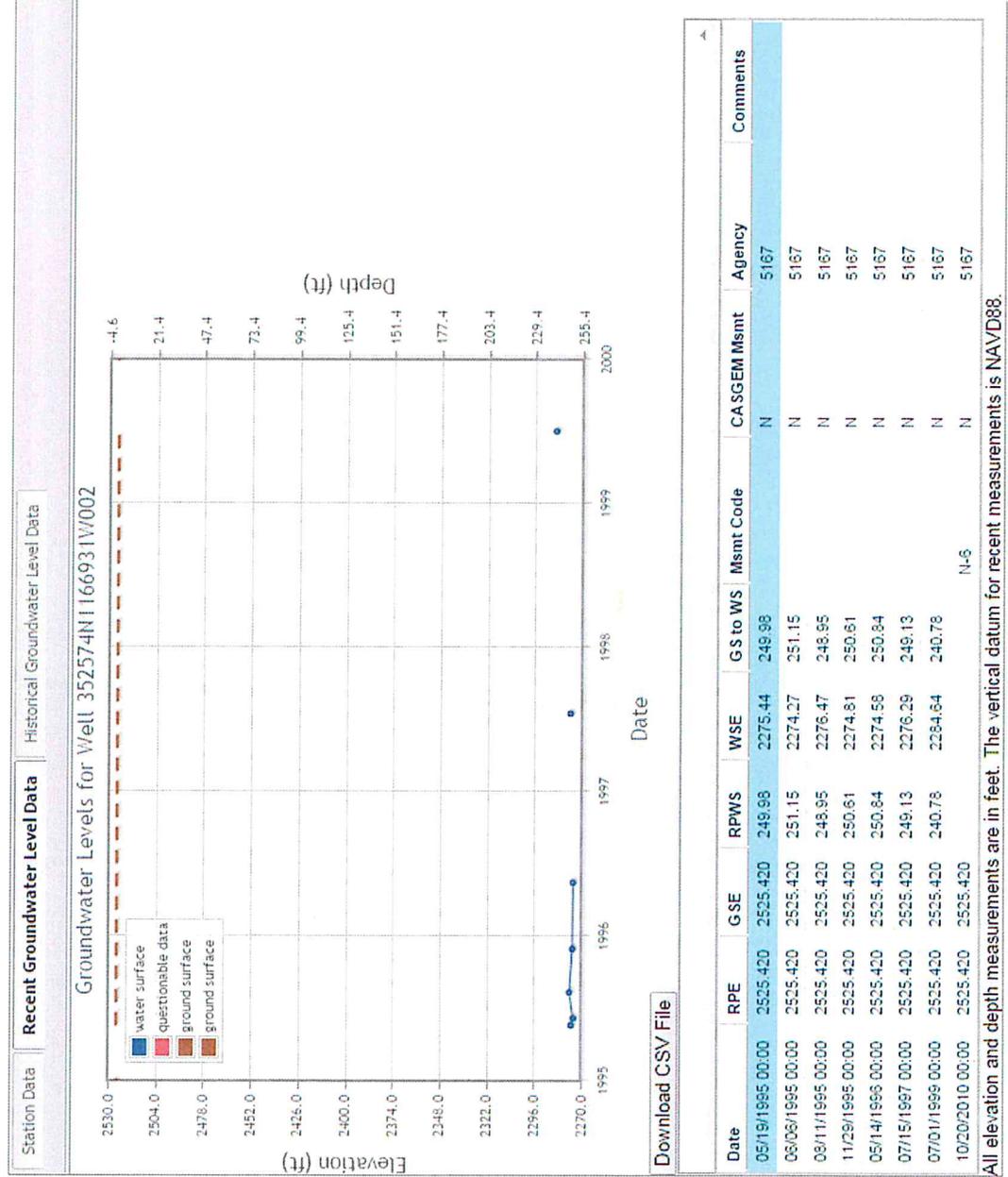


All elevation and depth measurements are in feet. The vertical datum for recent measurements is NAVD88.

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 352574N1166931W002

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.



Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search

To find monitoring stations for a specific area, enter the placename or zip code into the text box below.

Site Type

Select the desired site type using the checkboxes

- Groundwater Level
- Water Quality
- Continuous Data
- Continuous Data

Multiple Stations at one Location

Cluster, showing number of stations

Cursor Coordinates (WGS84)

Lat: 35.2514, Long: -115.7434

Select Basemap: ▼

- [Water Data Library Home](#)
- [Groundwater Level Data](#)
- [Water Quality Data](#)
- [Continuous Data](#)
- [Historical Information](#)
- [Contact Information](#)

Groundwater Levels for Station 352444N1167082W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data	Recent Groundwater Level Data	Historical Groundwater Level Data
<p>State Well Number: 13N03E06P001S Local Well ID: Site Code: 352444N1167082W001 Latitude (NAD83): 35.244400 Longitude (NAD83): -116.7082 Groundwater Basin (code): Irwin (6-36.02)</p>	<p>Well Use: Unknown Well Status: Active Well Completion Report Number: Reference Point Elevation (NAVD88 ft): 2702.44 Ground Surface Elevation (NAVD88 ft): 2702.44 Total Depth (ft): Confidential Perforated Interval Depths (ft): Confidential</p>	

Esri, HERE, DeLorme, Intermap, USGS, M...

- » Water Data Library Home
- » Groundwater Level Data
- » Water Quality Data
- » Continuous Data
- » Historical Information
- » Contact Information

Groundwater Levels for Station 352444N1167082W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data
Recent Groundwater Level Data
Historical Groundwater Level Data

Groundwater Levels for Well 352444N1167082W001

Depth (ft)

7.6

28.4

64.4

100.4

136.4

172.4

208.4

244.4

280.4

316.4

352.4

Elevation (ft)

2710.0

2674.0

2638.0

2602.0

2566.0

2530.0

2494.0

2458.0

2422.0

2386.0

2350.0

Date

1985

1986

1987

1988

1989

1990

[Download CSV File](#)

Date	RPE	GSE	RPWS	WSE	GS to WS	Msmt Code	CASGEM Msmt	Agency	Comments
05/06/1988 00:00	2702.440	2702.440	347	2355.44	347	N	5167	5167	
12/01/1992 00:00	2702.440	2702.440				N-D	5167	5167	
09/23/1993 00:00	2702.440	2702.440				N-D	5167	5167	
10/20/2010 00:00	2702.440	2702.440				N-4	5167	5167	

All elevation and depth measurements are in feet. The vertical datum for recent measurements is NAVD88.

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP

Location Search
To find monitoring stations for a specific area, enter the location or zip code into the text box below.

Q

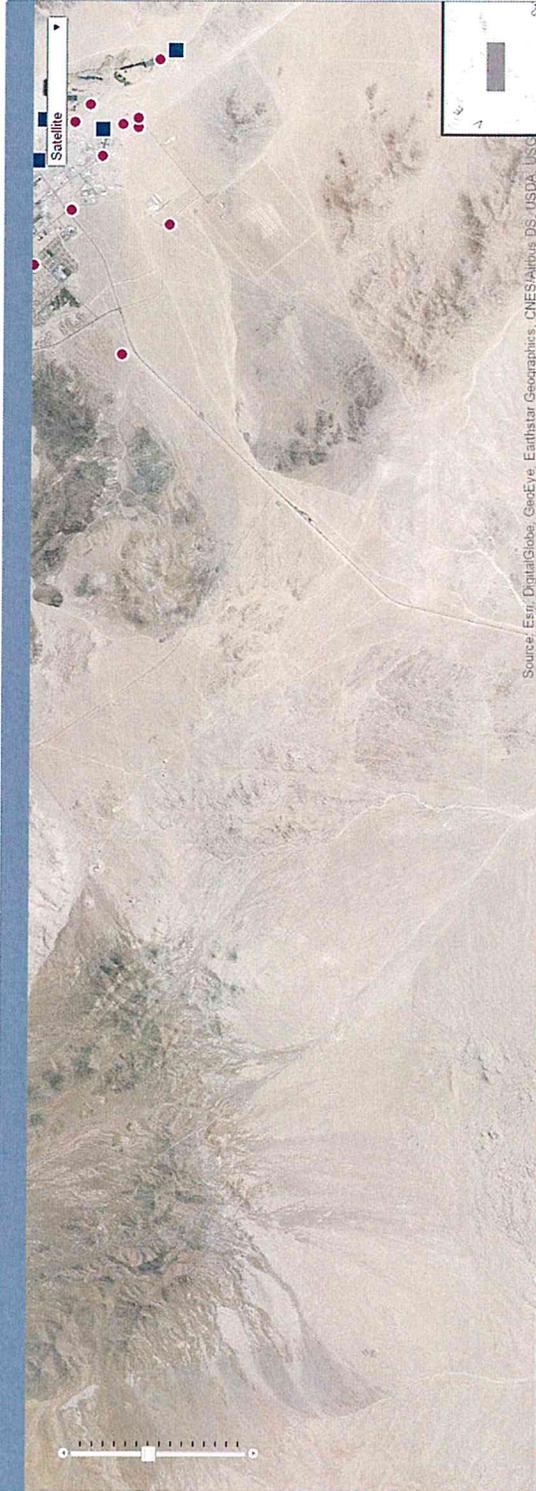
Site Type
Select the desired site type using the checkboxes

- Groundwater Level
- Water Quality
- Include Historic Data
- Continuous Data

Multiple Stations at one Location
Cluster, showing number of stations

Cursor Coordinates (WGS84)
Lat: 35.1931, Long: -116.8249

0 0.5 1 (mi)



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USG

You should view the map with Internet Explorer 9, Firefox 31, Chrome 36, or Safari 4 or later versions of these browsers.

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom and pan the map. Quickly find an area searching for named features on a map, such as the name of a city, park, landmark, lake, water feature, or zip code within California. Once at the area of interest, select the desired Site Type and click the "Refresh Map" button to show monitoring stations in the area. Additional searches by data type are possible by clicking the links on the left. For help on these and other ways to find your data [click here](#).

WDL STATION MAP
Satellite

Location Search

To find monitoring stations for a specific area, enter the placename or zip code into the text box below.

Site Type

Select the desired site type using the checkboxes:

- Groundwater Level
- Water Quality
- [Include Historic Data](#)
- Continuous Data
- Multiple Stations at one Location
- Cluster, showing number of stations

Cursor Coordinates (WGS84)
 Lat: 35.1415, Long: -116.5252

351381N1167690W001

Well Use: Residential
 View groundwater level data
 Zoom In

Map sources: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS

You should view the map with Internet Explorer 9, Firefox 31, Chrome 35, or Safari 4 or later versions of these browsers.

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 351381N1167690W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CASGEM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data	Recent Groundwater Level Data	Historical Groundwater Level Data
<p>State Well Number: 12N02E16A001S Local Well ID: 12N02E16A01 Site Code: 351381N1167690W001 Latitude (NAD83): 35.138108 Longitude (NAD83): -116.768126 Groundwater Basin (code): Coyote Lake Valley (6-37)</p>	<p>Well Use: Residential Well Status: Active Well Completion Report Number: 106183 Reference Point Elevation (NAVD88 ft): 2142.35 Ground Surface Elevation (NAVD88 ft): 2142.35 Total Depth (ft): Confidential Perforated Interval Depths (ft): Confidential</p>	

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Historical Information
- Contact Information

Groundwater Levels for Station 351381N1167690W001

Data for your selected well is shown in the tabbed interface below. To view data managed in the updated WDL tables, including data collected under the CAGEIM program, click the "Recent Groundwater Level Data" tab. To view data stored in the former WDL tables, click the "Historical Groundwater Level Data" tab. To download the data in CSV format, click the "Download CSV File" button on the respective tab. Please note that the vertical datum for "recent" measurements is NAVD88, while the vertical datum for "historical" measurements is NGVD29. To change your well selection criteria, click the "Perform a New Well Search" button.

Station Data
Recent Groundwater Level Data
Historical Groundwater Level Data

Groundwater Levels for Well 12N02E16A001S

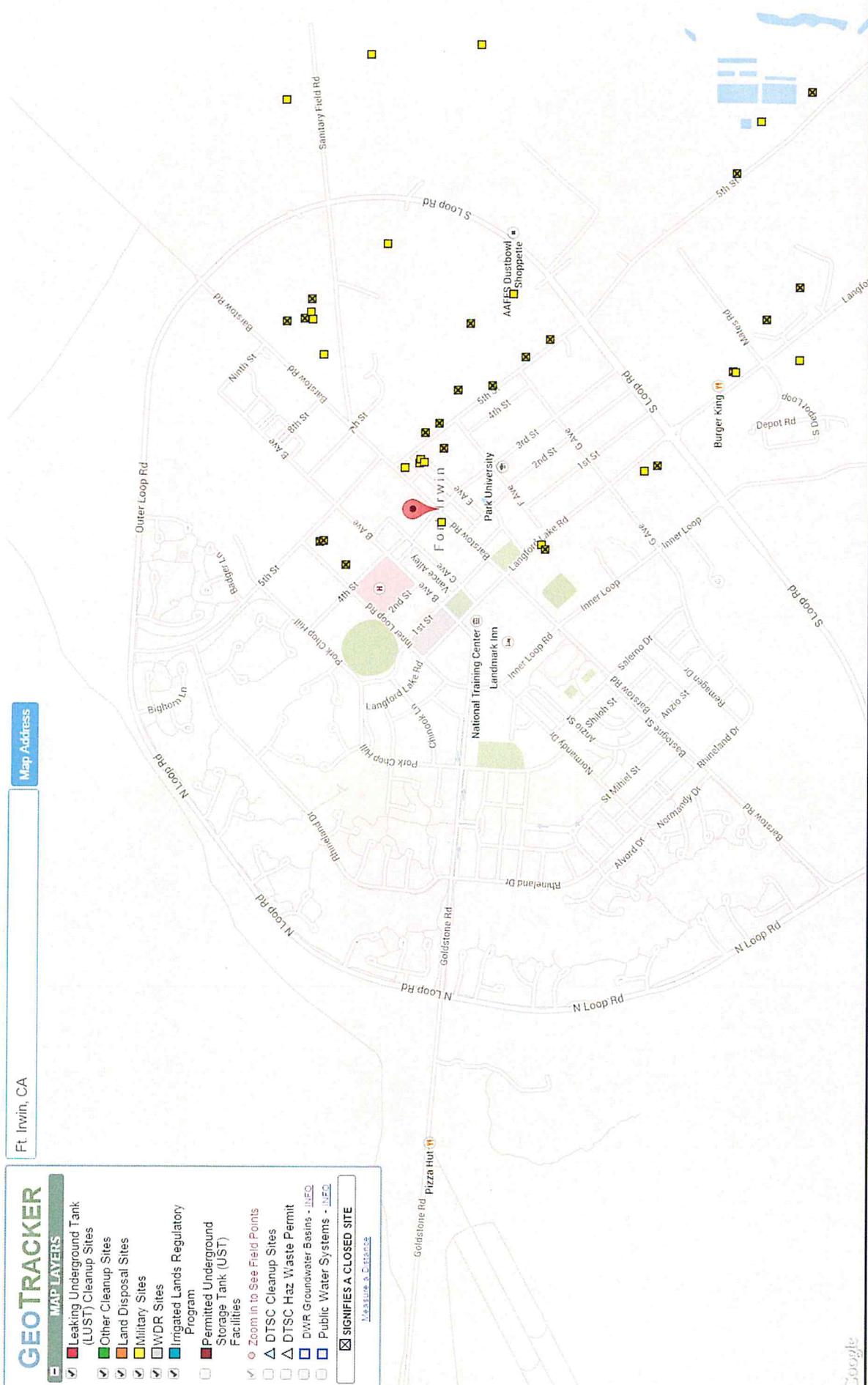
Legend:

- water surface
- questionable data
- ground surface
- ground surface

[Download CSV File](#)

Date	RPE	GSE	RPWS	WSE	GS to WS	NM Code	QM Code	Agency	Comments
03/17/1998 00:00	2145	2145	401.27	1743.73	401.27			5000	
03/30/2006 00:00	2145	2145	402.11	1742.89	402.11		4	5000	
04/18/2008 00:00	2145	2145	402.08	1742.92	402.08			5000	
03/11/2010 00:00	2145	2145	402.43	1742.57	402.43			5000	

All elevation and depth measurements are in feet. The vertical datum for historical measurements is NGVD29.



Ft. Irwin, CA

Map Address

- MAP LAYERS**
- Leaking Underground Tank (LUST) Cleanup Sites
 - Other Cleanup Sites
 - Land Disposal Sites
 - Military Sites
 - WDR Sites
 - Irrigated Lands Regulatory Program
 - Permitted Underground Storage Tank (UST) Facilities
 - Zoom in to See Field Points
 - DTSC Cleanup Sites
 - DTSC Haz Waste Permit
 - DWR Groundwater Basins - ILEQ
 - Public Water Systems - ILEQ

SIGNIFIES A CLOSED SITE

MEASURE & DISTANCE



GEO TRACKER

MAPLAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Impaired Landis Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Zoom in to See Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- CWR Groundwater Basins - HEC
- Public Water Systems - HEC

SIGNIFIES A CLOSED SITE

Map © 2012

Ft. Irwin, CA

Map Address



FT Irwin, CA

Map Address

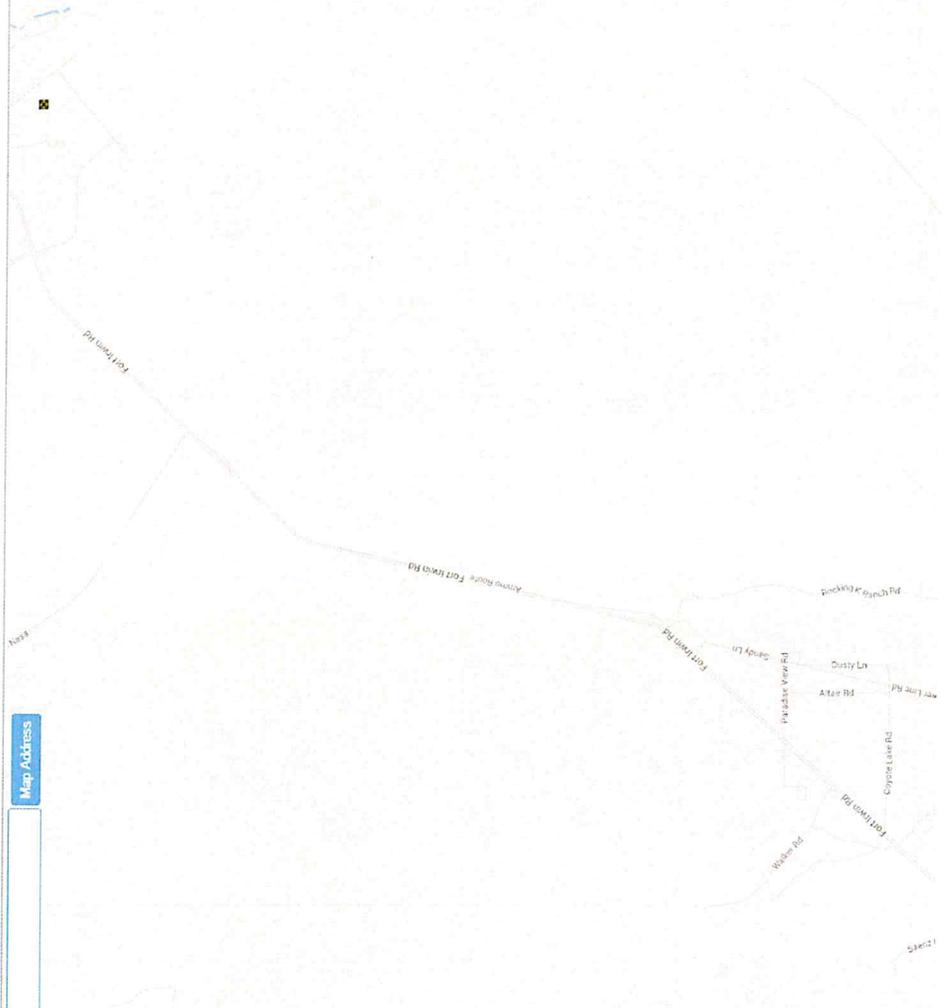
GEOTRACKER

MAP LAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Integrated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Zoom in to See Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - UICB
- Zoom in to See Public Water Systems

SIGNIFIES A CLOSED SITE

[Map Layers Legend](#)





GEOTRACKER

MAP LAYERS

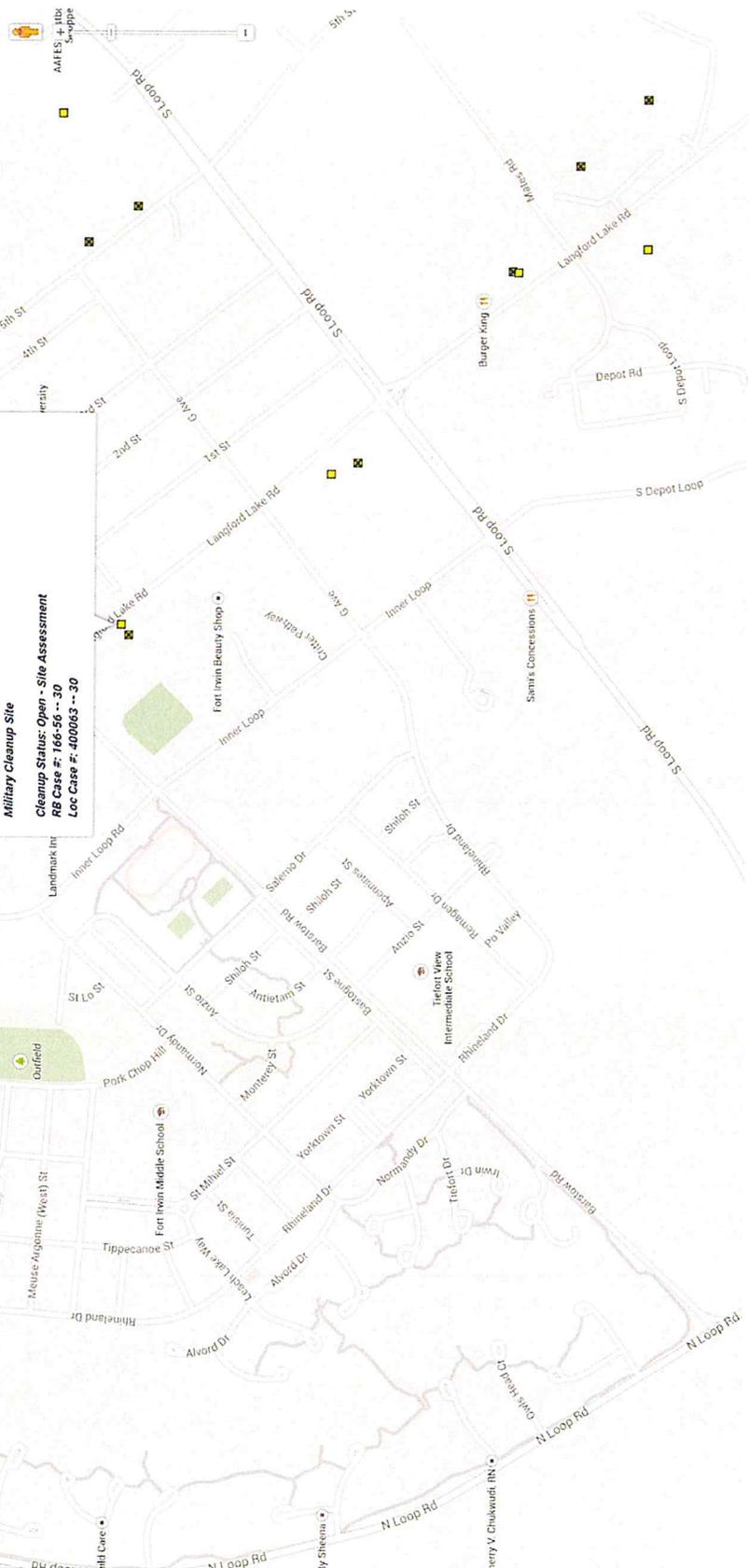
- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- MWDR Sites
- Irrigated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Exams - GDE
- Public Water Systems - UFA

SIGNIFIES A CLOSED SITE

Map Data © 2015 Google

SITES CURRENTLY VISIBLE ON MAP

SITE NAME	GLOBAL ID	STATUS	13 SITE LISTED	CITY
FORT IRWIN - BLDG 243	T10000002470	COMPLETED - CASE CLOSED	5TH STREET	FORT IRWIN
FORT IRWIN - BLDG 248	T10000002469	COMPLETED - CASE CLOSED	5TH STREET	FORT IRWIN
FORT IRWIN - BLDG 249	T10007100771	COMPLETED - CASE CLOSED	5TH STREET	FORT IRWIN
FORT IRWIN - BLDG 240	T10007100771	OPEN - SITE ASSESSMENT	LANGFORD LAKE RD	FORT IRWIN
FORT IRWIN - BLDG 241	T10000002362	OPEN - SITE ASSESSMENT	FORT IRWIN	FORT IRWIN
FORT IRWIN - BLDG 242	T0907100738	COMPLETED - CASE CLOSED	FORT IRWIN	FORT IRWIN
FORT IRWIN - BLDG 244	T0907100784	COMPLETED - CASE CLOSED	FORT IRWIN	FORT IRWIN
FORT IRWIN - BLDG 245	T0907100774	COMPLETED - CASE CLOSED	FORT IRWIN	FORT IRWIN
FORT IRWIN - FTIR-LL-CRANLUSE FT. BUILDING 250A	DD000188500	OPEN - SITE ASSESSMENT		FORT IRWIN
FORT IRWIN - FTIR-LL-CRANLUSE FT. BUILDING 250B	DD000188500	OPEN - SITE ASSESSMENT		FORT IRWIN
FORT IRWIN - FTIR-LL-CRANLUSE FT. BUILDING 250C	DD000188500	OPEN - SITE ASSESSMENT		FORT IRWIN
FORT IRWIN - FTIR-LL-CRANLUSE FT. BUILDING 250D	DD000188500	OPEN - SITE ASSESSMENT		FORT IRWIN
FORT IRWIN - FTIR-LL-CRANLUSE FT. BUILDING 250E	DD000188500	OPEN - SITE ASSESSMENT		FORT IRWIN



Fort Irwin - FTIR-26 Gasoline UST (Building 909) (000100187200)
 Fort Irwin, CA 92310-5097
Military Cleanup Site
Cleanup Status: Open - Site Assessment
RB Case #: 166-56 -- 30
Loc Case #: 400063 -- 30

GEOTRACKER

MAP LAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Integrated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - IICB
- Public Water Systems - IICB

SIGNIFIES A CLOSED SITE

MAP DATA COURTESY

Map Address

Ft. Irwin, CA

FTIR-26 GASOLINE UST (BUILDING 909) (D0D100187200) - (MAP)

FORT IRVIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED ENVIRONMENTAL PROJECTS
 PUBLIC AND EMERGENCY RESPONSE

SIGN UP FOR EMAIL ALERTS
 CLEANUP OVERSIGHT AGENCIES
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE # 400063 -- 30
 LAHONTAN RWQCB REGION 8V (LEAD) - CASE # 166-26 -- 30

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

Regulatory Profile

CLEANUP STATUS - DEFINITIONS

OPEN - SITE ASSESSMENT AS OF 3/30/2007 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

NONE SPECIFIED

FILE LOCATION

REGIONAL BOARD

DWR GROUNDWATER SUB-BASIN NAME

Langford Valley - Irwin (6-36-02)

POTENTIAL MEDIA AFFECTED

NONE SPECIFIED

BENEFICIAL USE

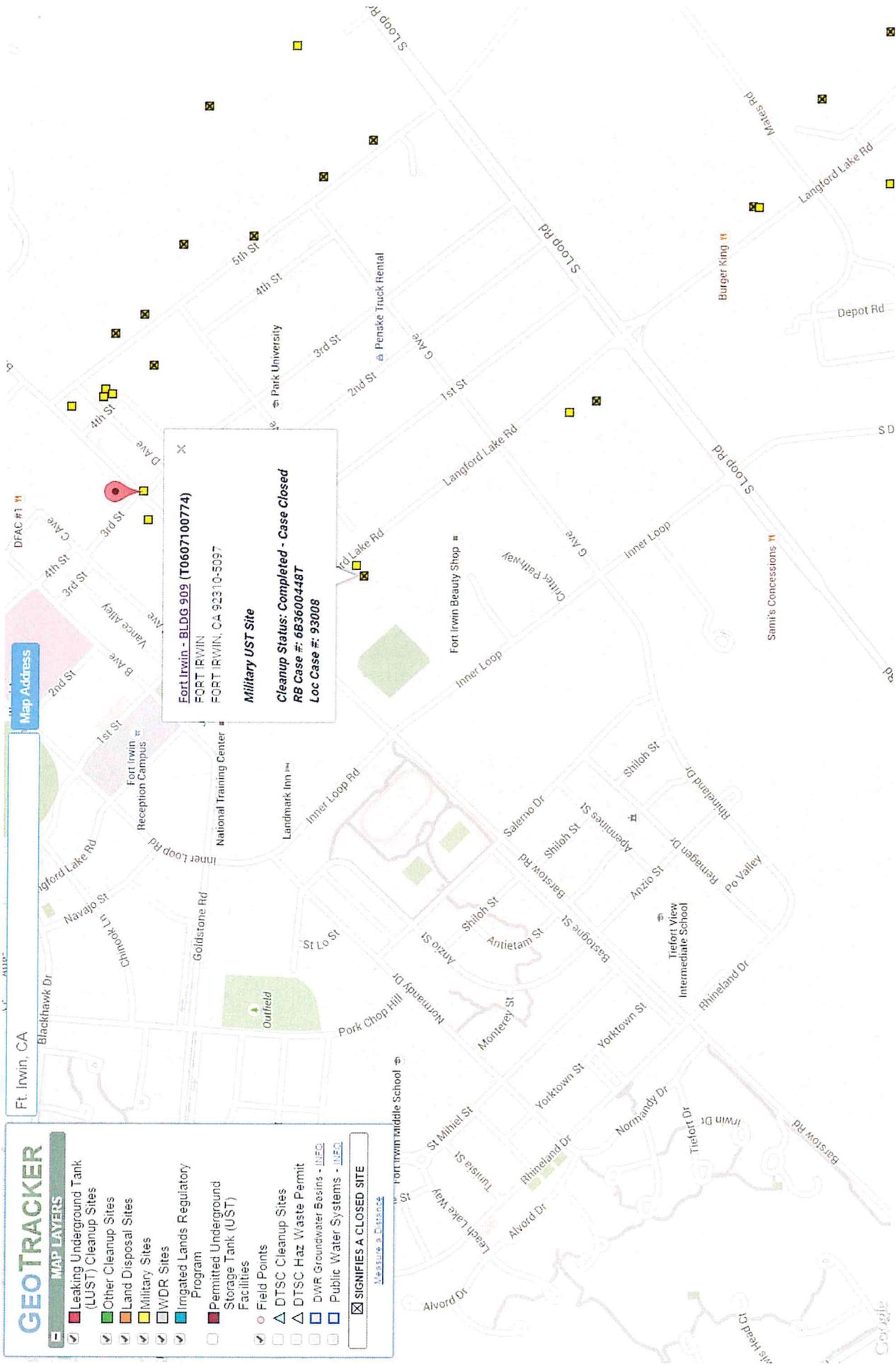
NONE SPECIFIED

RB WATERSHED NAME

Mojave - Alton - Langford (628 73)

Site History

The 2007 Draft Ft. Irwin Installation Plan indicates this site is selected for No Further Action. A Record of Decision Document has not been prepared.



Fort Irwin - BLDG 909 (T0607100774)
 FORT IRWIN
 FORT IRWIN, CA 92310-5097
Military - UST Site
Cleanup Status: Completed - Case Closed
RB Case #: 6B3600448T
Loc Case #: 93008

Map Address

GEOTRACKER

MAP LAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Irrigated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - [INFO](#)
- Public Water Systems - [INFO](#)

SIGNIFIES A CLOSED SITE

[Measure a Distance](#)

BLDG 909 (T0607100774) - (MAP)

FORT IRWIN
 FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY USE SITE

[PRINTABLE CASE SUMMARY / CSIRREP-SET](#)

[SIGN UP FOR EMAIL ALERTS](#)

CLEANUP OVERSIGHT SERVICES
 SAN BERNARDINO COUNTY
 CASEWORKER: [CONTACT CASEWORKER](#) - CASE # 31003
 LA-HOUSTON/NOCS (REGION SV) - CASE # 683600487

Summary | [Cleanup Action Report](#) | [Regulatory Activities](#) | [Environmental Data \(ESD\)](#) | [Site Maps / Documents](#) | [Community Involvement](#) | [Related Cases](#)

Regulatory Profile

CLEANUP STATUS - [REGULATIONS](#)

COMPLETED - CASE CLOSED AS OF 5/21/1993 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN
 WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING

FILE LOCATION
 LOCAL AGENCY

DWR GROUNDWATER SUB-BASIN NAME
 Langford Valley - Irwin (6-36-02)

POTENTIAL MEDIA AFFECTED
 SOIL

BENEFICIAL USE
 NONE SPECIFIED

RB WATERSHED NAME
 Mojave - Arlon - Langford (628 73)

Site History

SB County issued a case closure letter dated 5/21/1993.

BLDG 909 (T0807100774) - (MAP)

FORT IRWIN
 FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY USE SITE
 ZONING CASE NUMBER / SELL REPORT

CLEANUP OVERSIGHT AGENCIES
 SAN BERNARDINO COUNTY HEALTH CARE CASE # 33209
 CASEWORKER: [REDACTED]
 LA-NORTHAVICCS (REGION 07) CASE # 0839004487

SCHEDULE FOR FINAL ALERTS

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ES) | Site Maps / Documents | Community Involvement | Related Cases

Site Maps and Related Links (PDF, JPG and GEO. Links)

NO SITE MAP SUBMITTALS FOUND FOR THIS FACILITY.

Site Documents

TITLE
 CHANGE IN LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD POINT OF CONTACT
 SAN BERNARDINO COUNTY UNDERGROUND STORAGE TANK (UST) CASE CLOSURE LETTER DATED 8/11/2013
 CLEANUP AND ABATEMENT ORDER AS419

FILE
 STAFF LETTER
 OCCUPYING PARTNER ACTION LETTER
 NOTICE OF VIOLATION

SUBMITTED BY
 SERGIO ALONSO (REGULATOR)
 RANDALL WOLMAN (REGULATOR)
 RANDALL WOLMAN (REGULATOR)

DOCUMENT DATE

SIZE
 8/21/2013
 8/21/2013
 9/24/2013

Monitoring Reports

NO MONITORING REPORT SUBMITTALS FOUND FOR THIS FACILITY.

* DENOTES A SUBMITTAL WAS AUTO-RECEIVED

CASE SUMMARY

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES2

REPORT DATE 3/21/1993	REPORTED BY UNKNOWN	CREATED BY UNKNOWN
III. SITE LOCATION	FACILITY ID	
FACILITY NAME BLDG 909	ORIENTATION OF SITE TO STREET	
FACILITY ADDRESS FORT IRWIN, CA 92310-5097 SAN BERNARDINO COUNTY	CROSS STREET	
V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN		
WASTE OIL / MOTOR / HYDRAULIC / LUBRICATING		
VI. DISCOVERY/ABATEMENT		
DATE DISCHARGE BEGAN	HOW DISCOVERED	DESCRIPTION
2/20/1993	Tank Closure	
DATE STOPPED	STOP METHOD	DESCRIPTION
2/20/1993		
VII. SOURCE/CAUSE	CAUSE OF DISCHARGE	
SOURCE OF DISCHARGE Other	Unknown	
DISCHARGE DESCRIPTION		
VIII. CASE TYPE		
CASE TYPE Soil		
IX. REMEDIAL ACTION		
NO REMEDIAL ACTIONS ENTERED		
X. GENERAL COMMENTS		
SB County issued a case closure letter dated 5/21/1993.		
XI. CERTIFICATION		
I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.		

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP



- 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
- 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
- 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
- 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
- 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
- San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

PAMELLA BENNETT, R. E. H. S.
Director

Also serving the cities of:

- | | |
|---------------|------------------|
| Adelanto | Montclair |
| Apple Valley | Needles |
| Berkeley | Ontario |
| Big Bear Lake | Rancho Cucamonga |
| Chino | Redlands |
| Chino Hills | Rialto |
| Colton | San Bernardino |
| Fontana | Twentynine Palms |
| Grand Terrace | Upland |
| Hesperia | Victorville |
| Highland | Yucaipa |
| Loma Linda | Yuca Valley |

5-229

Rec'd.	MAY 26 1993
HAB	5-26
CM	5/28
JC	3-28
CRM	/
File:	

May 21, 1993

GENERAL WILLIAM G. CARTER III
HEADQUARTERS NTC
FORT IRWIN, CALIFORNIA 92310-5000

SUBJECT: FORT IRWIN NATIONAL TRAINING CENTER, BUILDING 909, FORT
IRWIN, CALIFORNIA
SITE #93008

This letter confirms the completion of site investigation and remedial action for the underground storage tanks at the above site. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of this office that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional, or previously unidentified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

If you have any questions regarding this matter, please call (909) 387-3041.

Catherine B. Richards

CATHERINE B. RICHARDS, R.E.H.S.
ENVIRONMENTAL HEALTH SPECIALIST II
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

CR:raa

cc: Donna Schimeck, State Water Resources Control Board
Cindi Mitton, Regional Water Quality Control Board, Lahontan
Region

Jeffrey L. Gale, HazCo
Dave Demars, Fort Irwin

HARRY M. MAYES
County Administrative Officer
ALBERT R. REID
Assistant Administrative Officer

MARSHA TUROCI First District
JON D. MIKELS Second District
JERRY EAVES Fish District

Board of Supervisors

BARBARA CRAWFORD Third District
LARRY WALKER Fourth District



Ft. Irwin, CA

Map Address

Landmark Inn

- ### GEOTRACKER
- MAP LAYERS**
- Leaking Underground Tank (LUST) Cleanup Sites
 - Other Cleanup Sites
 - Land Disposal Sites
 - Military Sites
 - WDR Sites
 - Irrigated Lands Regulatory Program
 - Permitted Underground Storage Tank (UST) Facilities
 - Field Points
 - DTSC Cleanup Sites
 - DTSC Haz Waste Permit
 - DWR Groundwater Basins - JLEQ
 - Public Water Systems - JLEQ
 - SIGNIFIES A CLOSED SITE
- MapData & Copyright

FTIR-26 GASOLINE UST (BUILDING 909) (DOB100187200) - (MAP)

FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 PROJECTS

[REGULATORY CASE NUMBER](#) / [CLEARANCE](#)

[SIGN UP FOR EMAIL ALERTS](#)

CLEANUP OVERSIGHT AGENCIES
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL - LEAD - CASE # 400063 - 30
 LUCHITAN RWQCB (REGION IV) - LEAD - CASE # 166-96 - 30

Summary | [Cleanup Action Report](#) | [Regulatory Activities](#) | [Environmental Data \(ES\)](#) | [Site Maps / Documents](#) | [Community Involvement](#) | [Related Cases](#)

Regulatory Profile

CLEANUP STATUS - DEFINITIONS

OPEN - SITE ASSESSMENT AS OF 3/30/2007 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

NONE SPECIFIED

FILE LOCATION

REGIONAL BOARD

DWR GROUNDWATER SUB-BASIN NAME

Langford Valley - Irwin (6-36-02)

POTENTIAL MEDIA AFFECTED

NONE SPECIFIED

BENEFICIAL USE

NONE SPECIFIED

RR WATERSHED NAME

Highgate - Alton - Langhorne (628.73)

Site History

The 2007 Draft Ft. Irwin Installation Plan indicates this site is selected for No Further Action. A Record of Decision Document has not been prepared.

FTIR-26 GASOLINE UST (BUILDING 909) (DOD100187200) - (MAP)

FORT IRVIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED ENVIRONMENTAL PERMITS
 PERMIT NUMBER / SUBREPORT

[SIGN UP FOR EMAIL ALERTS](#)

CLEANUP OVERSIGHT AGENCIES
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD - CASE # 400083 - 89
 LAHONTAN RWQCB REGION (V) (LEAD - CASE # 166286 - 30

[Summary](#) | [Cleanup Action Report](#) | [Regulatory Activities](#) | [Environmental Data \(ESt\)](#) | [Site Maps / Documents](#) | [Community Involvement](#) | [Related Cases](#)

[Site Maps and Maps \(Geo, Map and GEO, Images\)](#)

NO SITE MAP SUBMITTALS FOUND FOR THIS FACILITY.

[Site Documents](#)

TITLE
 CHANGE IN LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD'S SOURCE CONTROL
 ETL 2002 NATIONAL TRIANGLE CENTER AND FORT IRVIN MILITARY INSTALLATION (LIPBET)

[Monitoring Reports](#)

NO MONITORING REPORT SUBMITTALS FOUND FOR THIS FACILITY.

* E-NOTES & SUBMITTALS WAS AUTO-RECEIVED

FILE	DATE	SUBMITTED BY	DOCUMENT DATE	SIZE
STAFF LETTER OTHER REPORT / DOCUMENT		SERGIO ALONSO (REGULATOR); JEMEL CASS (REGULATOR)	8/17/2013	31002207

Ft. Irwin, CA

GEOTRACKER

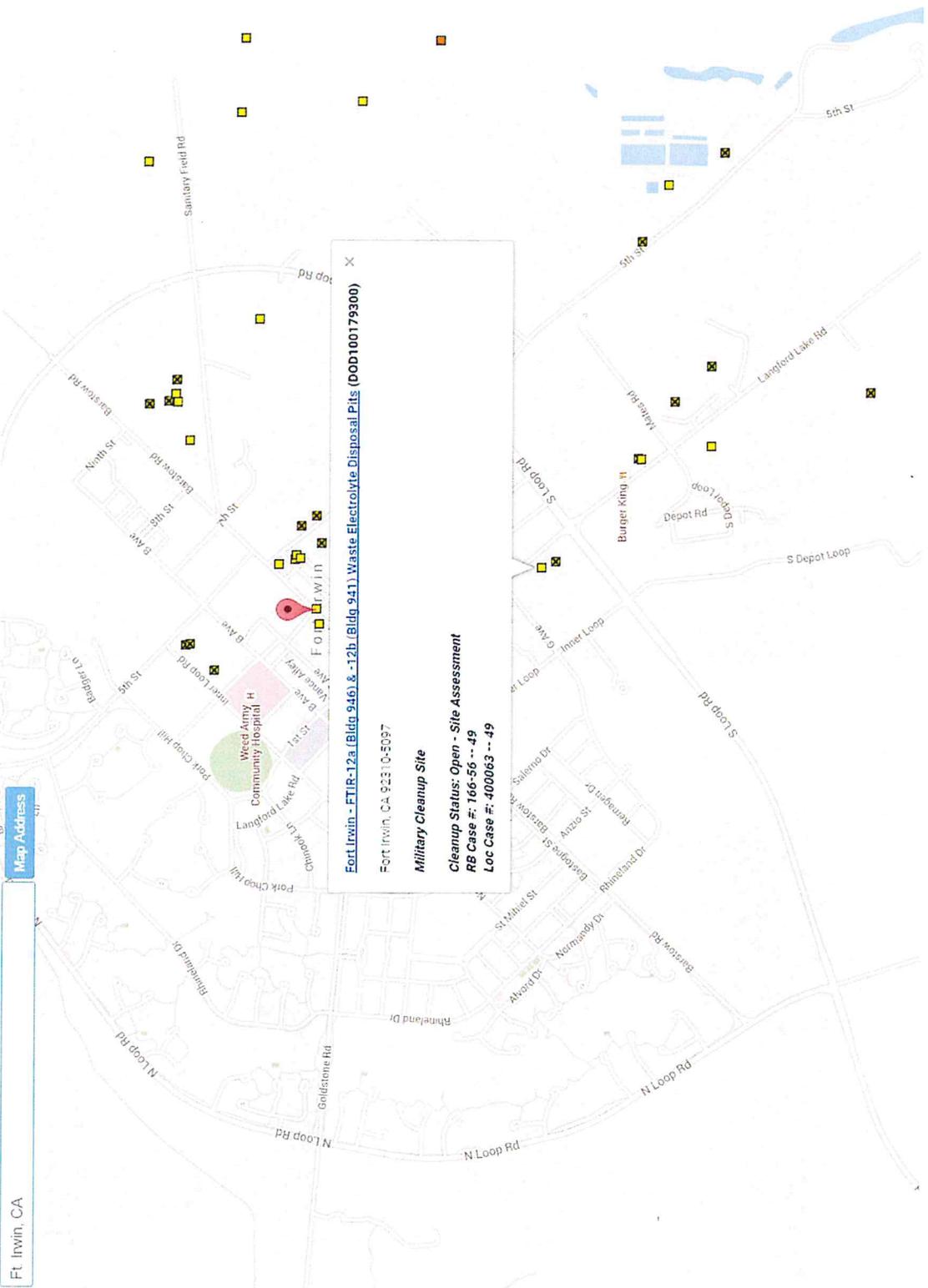
MAP LAYERS

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Remediated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Zoom in to See Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - IREG
- Public Water Systems - IREG

SIGNIFIES A CLOSED SITE

MapScale: 0.5:1

Map Address



Fort Irwin - FTIR-12a (Bldg 946) & -12b (Bldg 941) Waste Electrolyte Disposal Pits (DOD100179900)

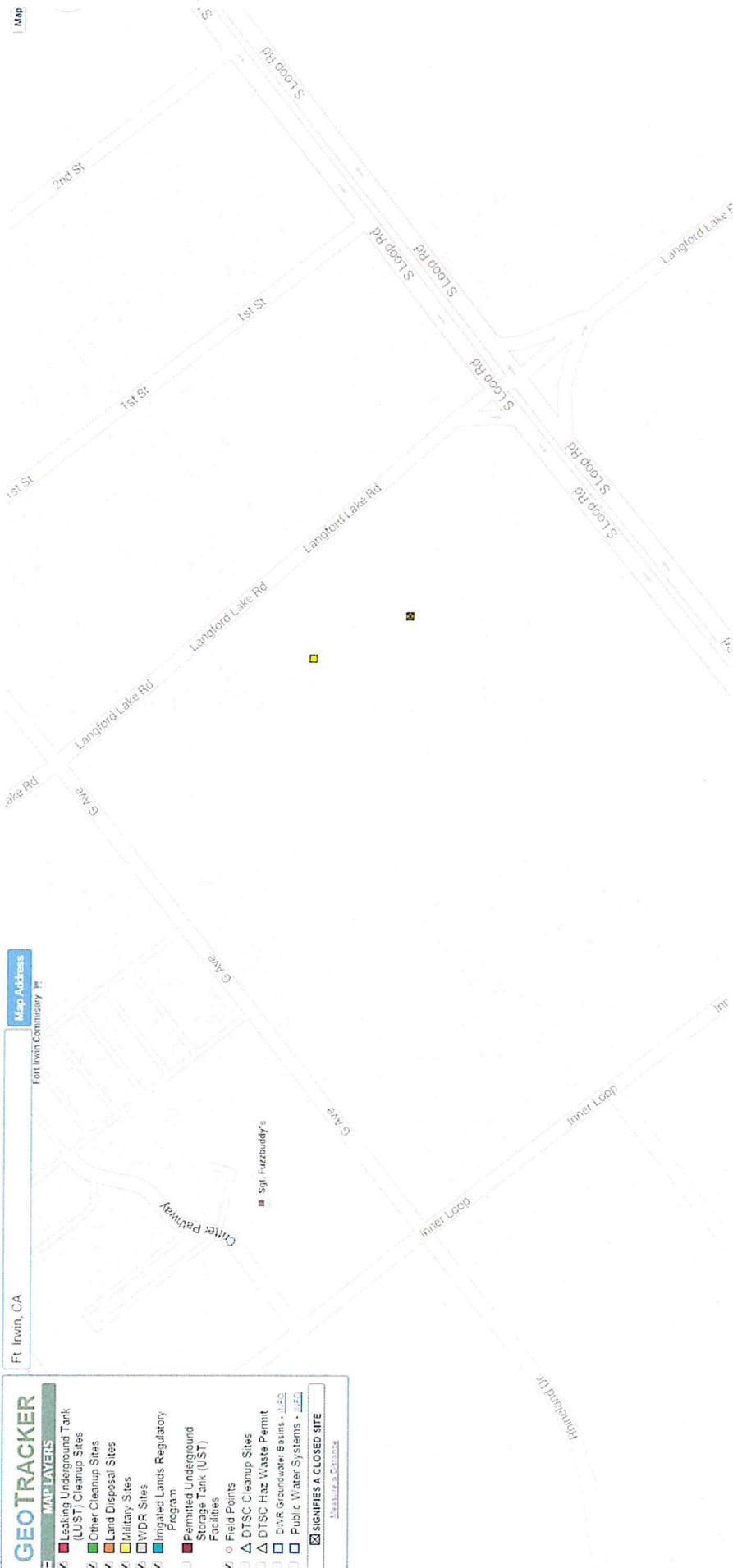
Fort Irwin, CA 92310-5097

Military Cleanup Site

Cleanup Status: Open - Site Assessment

RB Case #: 166-56 -- 49

Loc Case #: 400063 -- 49



Map Address
 Fort Irwin Commissary

Map

Map Layers

- Leaking Underground Tank (LUST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WWR Sites
- Impaired Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - IISG
- Public Water Systems - IISG
- SIGNIFIES A CLOSED SITE

Measure & Pinpoint

Ft. Irwin, CA

FTIR-12A (BLDG 946) & -12B (BLDG 941) WASTE ELECTROLYTE DISPOSAL PITS (DOD100179300) - (MAP)

FORT IRVIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED ENVIRONMENTAL PROJECTS
 FEDERAL-STATE-TRIBAL / SWSRCEP

CLEANUP OVERSIGHT AGENCIES
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL (LEAD) - CASE # 40004 - 49
 CALIFORNIA WASTE REGION (W/LEAD) - CASE # 76646 - 43

[SIGN UP FOR EMAIL ALERTS](#)

- Summary
- Cleanup Action Report
- Regulatory Activities
- Environmental Data (ES)
- Site Maps / Documents
- Community Involvement
- Related Cases

Regulatory Profile

CLEANUP STATUS - REFINITIONS

OPEN - SITE ASSESSMENT AS OF 3/30/2007 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

NONE SPECIFIED

FILE LOCATION

REGIONAL BOARD

DWR GROUNDWATER SUBBASIN NAME

Mojave -Atton - Langford (628 73)

[Site History](#)

The 2007 Draft Ft. Irwin Installation Plan indicates this site is selected for No Further Action. A Record of Decision Document has not been prepared.

FTIR-12A (BLDG 94B) & -12B (BLDG 941) WASTE ELECTROLYTE DISPOSAL PITS (DODY0078300) - [MAP]

FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED CLEANUP PROJECTS
[PENDING CASE NUMBER 72314 REPORT](#)

CLEANUP OVERSIGHT AGENCIES
 CALIFORNIA STATE WATER RESOURCES CONTROL BOARD
 LANDWATER POLICE REGION 8 (LE28) - CASE # 400093 - 49
 LANDWATER POLICE REGION 8 (LE28) - CASE # 166346 - 49

[SIGN UP FOR EMAIL ALERTS](#)

Summary | Cleanup Action Report | Regulatory Activities | Environmental Data (ESI) | Site Maps / Documents | Community Involvement | Related Cases

NO SITE MAP SUBMITTALS FOUND FOR THIS FACILITY.

Site Documents

TITLE	TYPE	SUBMITTED BY	DOCUMENT DATE	FILE
SCHRODE ILLINOIS/STANBORD REGIONAL WATER QUALITY CONTROL BOARD POINT OF CONTACT	STAFF LETTER	BERNARDINO REGULATORY	8/21/2013	FILE
EX-3002 NATIONAL TRAINING CENTER AND FT. IRWIN INSTALLATION ACTION PLAN/ALERT	OTHER REPORT / DOCUMENT	JENEL CAJON REGULATORY	3/20/2007	FILE

NO MONITORING REPORT SUBMITTALS FOUND FOR THIS FACILITY.

*REMOVED SUBMITTALS AUTO-REMOVED

Map

Ft. Irwin, CA

Map Address

GEOTRACKER

MAP LAYERS

- Leaking Underground Tank (UST) Cleanup Sites
- Other Cleanup Sites
- Land Disposal Sites
- Military Sites
- WDR Sites
- Integrated Lands Regulatory Program
- Permitted Underground Storage Tank (UST) Facilities
- Field Points
- DTSC Cleanup Sites
- DTSC Haz Waste Permit
- DWR Groundwater Basins - UST
- Public Water Systems - UST
- Public Water Systems - UST

SIGNIFIES A CLOSED SITE

Fort Irwin - FTIR-23 Waste Oil UST (South Loop, Langford Lake) (DOB100188600)

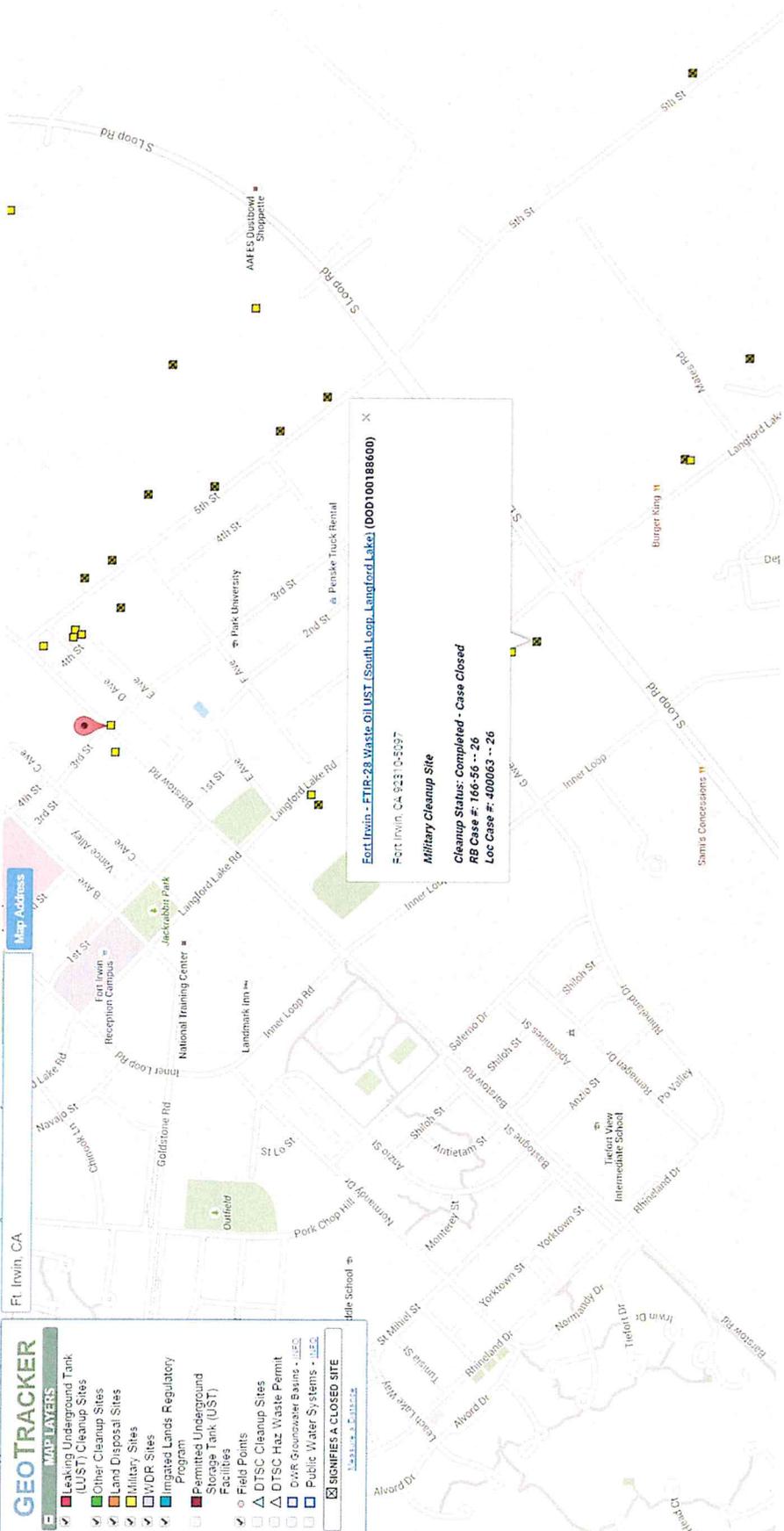
Fort Irwin, CA 92310-5037

Military Cleanup Site

Cleanup Status: Completed - Case Closed

R8 Case #: 166-56 -- 26

Loc Case #: 400063 -- 26



FTIR-28 WASTE OIL UST (SOUTH LOOP, LANGFORD LAKE) (DOD100188600) - (MAE)

FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED ENVIROTOR PROJECTS
 FINAL CASE NUMBER / CASE POINT

CLEANUP OVERSIGHT AGENCIES
 CALIFORNIA REGIONAL WATER RESOURCES CONTROL BOARD
 LAHONTAN RWQCB (REGION V) **LEAD** - CASE # 166-59 - 20

SIGN UP FOR EMAIL ALERTS

Summary Cleanup Action Report Regulatory Activities Environmental Data (E3) Site Maps / Documents Community Involvement Related Cases

Regulatory Profile

CLEANUP STATUS - **DEFERRED**

COMPLETED - CASE CLOSED AS OF 4/4/2002 - [CLEANUP STATUS HISTORY](#)

POTENTIAL CONTAMINANTS OF CONCERN

NONE SPECIFIED

POTENTIAL MEDIA AFFECTED

NONE SPECIFIED

BENEFICIAL USE

NONE SPECIFIED

FILE LOCATION

REGIONAL BOARD

DWR GROUNDWATER SUBBASIN NAME

Langford Valley - Irwin (6-36 02)

RE WATERSHED NAME

Mejare - Altan - Langford (628 73)

Site History

The Water Board staff has determined this site to pose no threat to water quality in a letter dated 4/4/2002.

FTIR-28 WASTE OIL UST (SOUTH LOOP, LANGFORD LAKE) (DOD100788600) - [MAP]

FORT IRWIN, CA 92310-5097
 SAN BERNARDINO COUNTY
 MILITARY CLEANUP SITE
 ASSOCIATED REMEDIATION PROJECTS
[VIEWABLE CASE SUMMARY / SUMMARY](#)

[SIGN UP FOR EMAIL ALERTS](#)

CLEANUP OVERSIGHT AGENCIES
 DEPARTMENT OF TOXIC SUBSTANCES CONTROL - LEAD - CASE # 400683 - 28
 LAHONTAN RWQCB REGION 001 - LEAD - CASE # 168-28 - 28

Summary [Cleanup Action Report](#) [Regulatory Activities](#) [Environmental Data \(ES\)](#) [Site Maps / Documents](#) [Community Involvement](#) [Related Cases](#)

[View Remediation Logs \(EIS, MAP and ERO, JUNE\)](#)

NO SITE MAP SUBMITTALS FOUND FOR THIS FACILITY.

[View Documents](#)

TITLE
 CHARGE: BILAHONTAN REGIONAL WATER QUALITY CONTROL BOARD BOARD RESOLUTION
 ELDOT NATIONAL TRAINING CENTER AND FT IRWIN INSTALLATION ACTION PLAN (EIS)
 FTIR-28 CLOSURE LETTER

[Monitoring Reports](#)

NO MONITORING REPORT SUBMITTALS FOUND FOR THIS FACILITY.

TITLE
 STAFF LETTER
 OTHER REPORT DOCUMENT
 NOTIFICATION - PUBLIC NOTICE OF CASE CLOSURE

SUBMITTED BY
 SERGIO ALONSO (REGULATOR)
 JEMEL GALE (REGULATOR)
 RANDALL MOPLAN (REGULATOR)

DOCUMENT DATE
 8/21/2013
 3/10/2017
 4/4/2022

* SECTORS A SUBMITTAL WAS AUTO-RECEIVED



California Regional Water Quality Control Board

Lahontan Region



Winston H. Hickox
Secretary for
Environmental
Protection

Victorville Office
Internet Address: <http://www.swrcb.ca.gov/rwqcb6>
15428 Civic Drive, Suite 100, Victorville, California 92392
Phone (760) 241-6583 • FAX (760) 241-7308

Gray Davis
Governor

April 4, 2002

File: 6B3600657T
Fort Irwin – DoD file

Mr. Muhammad Bari
Chief Environmental Division
AFZI-PW-EV, Bldg. 385
Fort Irwin, CA 92310-5097

COMMENTS ON DRAFT SAMPLE ANALYSIS RESULTS VERIFICATION SAMPLING, INSTALLATION RESTORATION PROGRAM (IRP) SITES FTIR-27 AND FTIR-28, FORT IRWIN, SAN BERNARDINO COUNTY

California Regional Water Quality Control Board staff (Board staff) has reviewed the above referenced report dated September 2000, prepared by the United States Army Corps of Engineers. Board staff has the following comments.

FTIR-27

Based on the information provided, Board staff requests that you perform additional soil sampling at site FTIR-27. The comparison among laboratory analysis of soil samples taken in 2000 to those taken in 1994 at site FTIR-27 does not indicate natural attenuation is occurring. Additionally, borings FT00-2701 and FT00-2702 indicate the area of contamination has not been laterally or vertically delineated. To support natural attenuation as a remediation method, Board staff requests that a fate and transport study be performed to determine the threat to water quality.

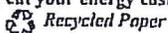
FTIR-28

Based on the information provided for site FTIR-28, Board staff has determined that the concentration of waste oil detected in the soil does not pose a threat to water quality. In addition, the concentrations of cadmium and lead, and their lack of correlation with the petroleum products (with one exception) appear to reflect background soil concentration levels and are below Preliminary Remediation Goals (PRGs) established by the Environmental Protection Agency, Region IX. Board staff requests that you submit a Case Closure Summary form for site FTIR-28.

Information to support closure of underground storage tanks are included in the attached documentation, which is provided as guidance for the site closure process at sites FTIR-27 and 28. Please find enclosed this information and a Case Closure Summary form to be filed when you apply for site closure. Board staff requests this information be provided before closure can be determined. Board staff will review the Case Closure Summary and determine if the information provided justifies closure.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>



Mr. Bari

- 2 -

April 4, 2002

If you have any questions, please call me at (760) 241-7393 or Jehiel Cass, PE, Acting Unit Lead at (760) 241-2434.

Sincerely,

Jehiel W. Cass
for Christy Hunter, RG
Associate Engineering Geologist
Mojave Unit

cc: Curtis Plotkin
Cal-EPA, DTSC
Office of Military Facilities
5796 Corporate Ave.
Cypress, CA 90630

Justine Dishart
Directorate of Public Works
Environmental Division
AFZI-PW-EV, Bldg. 385
Fort Irwin, CA 92310-5097

Sophi Ngu
U.S. Army Corps of Engineers
1325 J St., 12th Floor
Sacramento, CA 95814

CH/rc/nir27_2BRSP

California Environmental Protection Agency

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Recycled Paper

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

FORT IRWIN NATIONAL TRAINING CENTER (36970003)

[SIGN UP FOR EMAIL ALERTS](#)

36313 ACRES; 36 MI EAST OF BARSTOW, CA
 FORT IRWIN, CA 92310
 SAN BERNARDINO COUNTY
SITE TYPE: OPEN BASE

PROJECT MANAGER:
SUPERVISOR:
OFFICE:
PUBLIC PARTICIPATION SPECIALIST:

[SUE HAKIM](#)
 ROBERT SENGA
 CLEANUP CYPRESS
[TIMOTHY CHAUVEL](#)

Site Information

CLEANUP STATUS
ACTIVE AS OF 2/2/2010

SITE TYPE: OPEN BASE
NATIONAL PRIORITIES LIST: NO
ACRES: 36313 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
 DTSC - **LEAD**

ENVIROSTOR ID: 36970003
SITE CODE: 400063
SPECIAL PROGRAM:
FUNDING: DERA
ASSEMBLY DISTRICT: 33
SENATE DISTRICT: 16

[ASSOCIATED GEOTRACKER PROJECTS](#)

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION

FIRE TRAINING AREAS, FIRING RANGE - ARTILLERY, FIRING RANGE - SMALL ARMS ETC..., LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE, LAND DISPOSAL / FILL, OIL FIELD, OIL/WATER SEPARATORS, OPEN BURN/OPEN DETONATION, UNDERGROUND STORAGE TANKS, VEHICLE MAINTENANCE

POTENTIAL CONTAMINANTS OF CONCERN

EXPLOSIVES (UXO, MEC)

[METALS](#)

[OTHER](#)

[PETROLEUM](#)

[UNCATEGORIZED](#)

[VOLATILE ORGANICS \(8260B VOCS\)](#)

POTENTIAL MEDIA AFFECTED

OTHER GROUNDWATER AFFECTED (USES OTHER THAN DRINKING WATER), SOIL, SOIL VAPOR

Site History

Fort Irwin is located in the Mojave Desert, approximately 35 miles north of the City of Barstow, San Bernardino County, CA. It is an active military installation in a desert environment. A remedial investigation was conducted at both active and abandoned landfill sites to characterize potential contamination. Soil samples from these sites contained detectable concentrations of volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, dioxins/ furans, and metals. Soil gas sampling results indicated the presence of tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethane (DCA), chloroform, Freon 11, Freon 12, Freon 113, carbon tetrachloride, chloromethane, benzene, toluene, xylenes, ethylbenzene, and methane. Groundwater monitoring detected VOCs and metals above concentration limits allowed in the WDR. Therefore, GSU recommended a soil vapor extraction pilot test to be conducted.

Fort Irwin had 15 potential military munition response program (MMRP) sites that went through site inspection. Eight MMRP sites were recommended for further investigation and five were ineligible or had no known or suspected hazards to qualify for the MMRP. Two of the MMRP sites went through a supplemental site inspection on an expedited schedule for the proposed Hospital that overlaps these two sites. The rest of the MMRP sites will go through remedial investigation.

Fort Irwin had 14 hazardous waste management program (HWMP) that are going through closure certification. Ten HWMP site have been closed and four are waiting for confirmatory sampling and risk assessment before closure.

GEOTRACKER CASES ASSOCIATED WITH THIS ENVIROSTOR PROJECT

<u>GEOTRACKER PROJECT NAME</u>	<u>STATUS</u>	<u>ADDRESS</u>	<u>CITY</u>
Fort Irwin - BLDG 143 T72	Completed - Case Closed	2nd street	FORT IRWIN
Fort Irwin - BLDG 385	Open - Remediation	FORT IRWIN	FORT IRWIN
Fort Irwin - BLDG 612	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - BLDG 646	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - Basewide Information - Fort Irwin	Open - Inactive		Fort Irwin
Fort Irwin - Bldg 367	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - Bldg 614	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - Bldg 626	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - Bldg 639	Completed - Case Closed	5th Street	Fort Irwin
Fort Irwin - Bldg 840	Open - Site Assessment	Langford Lake Rd	Fort Irwin
Fort Irwin - Drinkwater Lake Site	Open - Site Assessment	AFZJ-PW-EV, Building 602	Fort Irwin
Fort Irwin - FTIR-01 Inactive/Active Landfill	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-02 Abandoned Sanitary Landfill 2	Open - Verification Monitoring		Fort Irwin
Fort Irwin - FTIR-03 Abandoned Surface Disposal Area	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-04 Abandoned Sanitary Landfill 4	Open - Verification Monitoring		Fort Irwin
Fort Irwin - FTIR-05 Suspected Abandoned Landfill	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-06 Troop Landfill Disposal Site	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-07 Lucky Fuse Impact Disposal Area	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-08 Avawatz Valley Disposal Site	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-09 DDT/Lead-Based Paint Disposal	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-10 Pesticide Mixing Area	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-11 DRAINAGE PIT (BUILDING 830)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-12a (Bldg 946) & -12b (Bldg 941) Waste Electrolyte Disposal Pits	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-13 HW Storage Facility (Building 703)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-14 HW Temporary Storage Facility (Bldg 630)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-15 HW Temporary Storage Facility (Bldg 641)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-16 PCB Transformer Storage Area	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-17 Sewage Treatment Plant	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-18 Abandoned Sewage Oxidation Ponds	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-19 Pathological Waste Incinerator	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-20 Abandoned Fire Fighter Training Facility	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-22 Trinity Range	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-23 Lucky Fuse Impact Area OD Site	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-24 CAS 6 OD Site (NK345305)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25A Lucky Fuse Abandoned OB Site	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25B Abandoned OD Site (Leach Lake Range)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25C Abandoned OD Site (Gary Owen Impact Area)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25D Abandoned OD Site (Langford Impact Area)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25E Abandoned OD Site (Avawatz Dry Lake Area)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-25F Abandoned OD Site (Nelson Impact Area)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-26 Gasoline UST (Building 909)	Open - Site Assessment		Fort Irwin

Fort Irwin - FTIR-27 Bunker Fuel UST (Northwest of A Avenue)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-28 Waste Oil UST (South Loop, Langford Lake)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-29 Gasoline UST (Bldg 384)	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-30 Washrack Holding Pond, 2/11th Motor Pool	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-31 Storage Tanks, Waste Oil	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-32a Goat Mountain Landfills (Upper and Lower)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-33 Field Support Site	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-35 Motor Pool Lubrication Pits (Bldg 621 & 650)	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-36 MATES Compound Disposal Site	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-38 Goldstone Lake Mortar - Small Arms Range	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-39 Goldstone Lake Rocket Testing Range	Completed - Case Closed		Fort Irwin
Fort Irwin - FTIR-40 Mojave Anti-Aircraft Range HQ	Open - Site Assessment		Fort Irwin
Fort Irwin - FTIR-41 Combat Engineers Range OB/OD Site	Completed - Case Closed		Fort Irwin
Fort Irwin - Hoffman Alpha Bravo Pass Site	Open - Site Assessment	AFZJ-PW-EV, Building 602	Fort Irwin
Fort Irwin - Thunderdome FSS Site	Open - Site Assessment	AFZJ-PW-EV, Building 602	Fort Irwin

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0.25 seconds

Enter an address

Map Address

GEO TRACKER

- MAP LAYERS**
- Leaking Underground Storage Tanks (LUST) Cleanup Sites
 - Other Cleanup Sites
 - Land Disposal Sites
 - Military Sites
 - WDR Sites
 - Irrigated Lands Regulatory Program
 - Permitted Underground Storage Tank (UST) Facilities
 - Zoom in to See Field Points**
 - DTSC Cleanup Sites
 - DTSC Haz Waste Permit
 - DWR Groundwater Basins - [INFO](#)
 - Zoom in to See Public Water Systems**

SIGNIFIES A CLOSED SITE

Measure a Distance

Fort Irwin - FTIR-41 Combat Engineers Range OB/OD Site (DOD100193600)

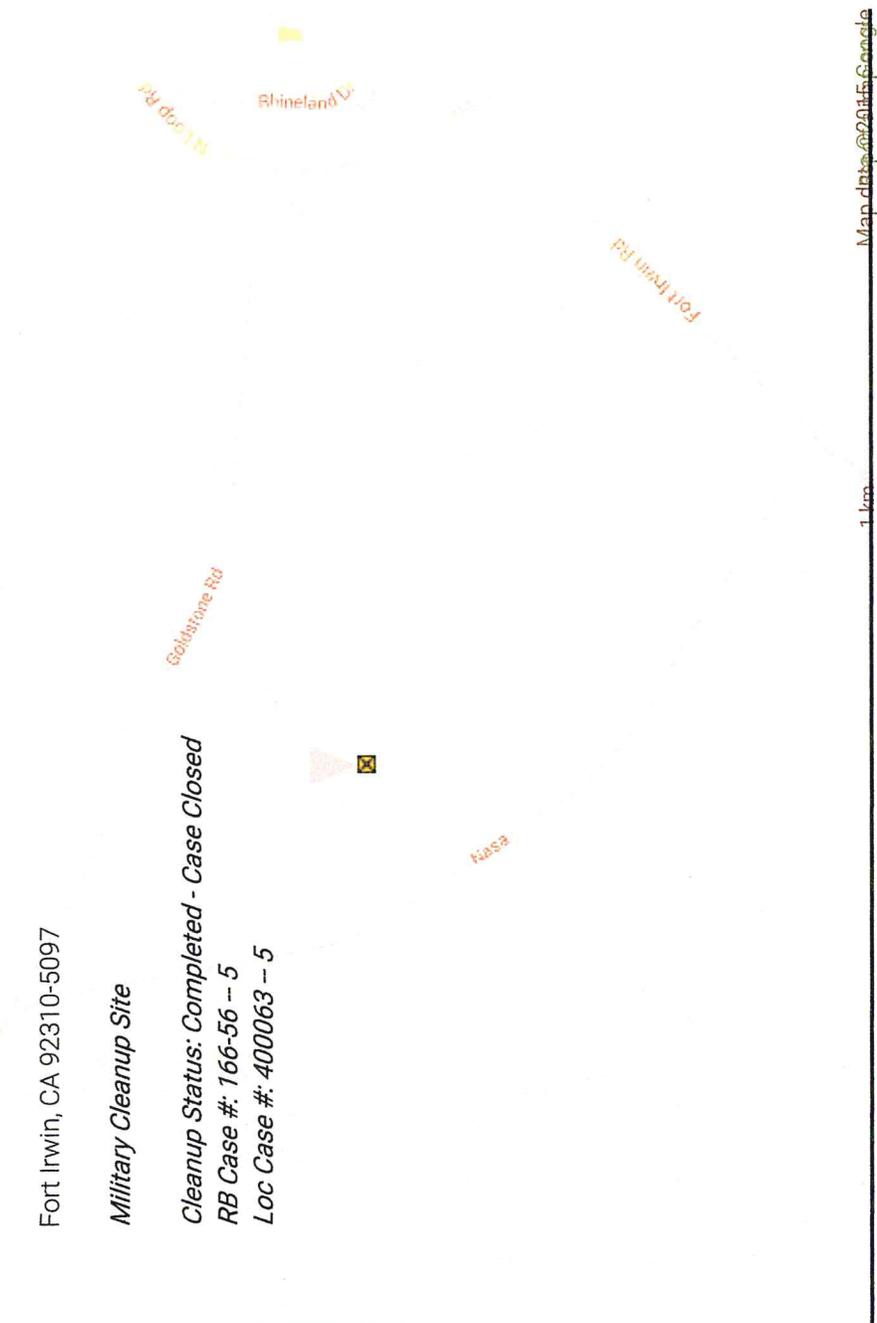
Fort Irwin, CA 92310-5097

Military Cleanup Site

Cleanup Status: Completed - Case Closed

RB Case #: 166-56 -- 5

Loc Case #: 400063 -- 5



SITES CURRENTLY VISIBLE ON MAP

ENVIROSTOR

- CLEANUP SITES**
 - Federal Superfund
 - State Response
 - Voluntary Cleanup
 - School Cleanup
 - Evaluation
 - School Investigation
 - Military Evaluation
 - Tiered Permit
 - Connective Action
- PERMITTED SITES**
 - Operating
 - Post-Closure
 - Non-Operating
- OTHER SITES**
 - GeoTracker LUFT
 - GeoTracker SLUC

Map Shell: [Map Shell]

Tools: [Map Tools]

Tutors: [Tutors]

Map: [Map]

X
 12.6-ACRE PROPERTY SCHOOL SITE (36650010)
 BARSTOW ROAD/OMAHA BEACH
 FORT IRWIN, CA 92310
 SITE TYPE: SCHOOL INVESTIGATION
 STATUS: NO FURTHER ACTION

MAP AN ADDRESS: Ft. Irwin, CA

SHOW SITES WITHIN: 1000 FEET OF THE FOLLOWING ADDRESS: GC

4 SITES LISTED

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
12.6-ACRE PROPERTY SCHOOL SITE	NO FURTHER ACTION	SCHOOL INVESTIGATION	BARSTOW ROAD/OMAHA BEACH	FORT IRWIN
BARSTOW ROAD/OMAHA BEACH	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION	(20 MILES NE OF)	BARSTOW
CLUB IR MAIL	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION	(20 MILES NE)	BARSTOW
FORT IRWIN NATIONAL TRAINING CENTER	ACTIVE	STATE RESPONSE	38312 ACRES 38 MI EAST OF BARSTOW, CA	FORT IRWIN

12.5-ACRE PROPERTY SCHOOL SITE (36650010)

SUPERVISOR: SHAMIR HADGAD
OFFICE: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
SCHOOL DISTRICT: SILVER VALLEY UNIFIED SCHOOL DISTRICT

[SIGN UP FOR EMAIL ALERTS](#)

[Summary](#) |
 [Activities](#) |
 [Map](#)

CLEANUP STATUS

NO FURTHER ACTION AS OF 3/7/2005

SITE TYPE: SCHOOL
NATIONAL PRIORITIES LIST: NO
ACRES: 12.5 ACRES
APR: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD

PAST USE(S) THAT CAUSED CONTAMINATION

UNKNOWN, AGRICULTURAL, Orchard, NONE

POTENTIAL CONTAMINANTS OF CONCERN

NO CONTAMINANTS FOUND

SCHOOL DISTRICT: SILVER VALLEY UNIFIED SCHOOL DISTRICT
FAVORABLE: 4042310
SITE CODE: 404231
SPECIAL PROGRAM: SCHOOL DISTRICT
FUNDING: 33
ASSEMBLY DISTRICT: 10
SENATE DISTRICT: 10

POTENTIAL MEDIA AFFECTED:
 NO MEDIA AFFECTED

The site is currently vacant undeveloped desert land, however the approximately 200 to 500 feet of the site southeast of Barstow Road appears to have been previously graded or disturbed and was observed to have a thin layer of deteriorated asphaltic surface with limited vegetative growth of small shrubs and bushes. The asphaltic surface appears wider to the northeast up extending approximately to the powerline. Beyond the deteriorated asphaltic surface normal growth or vegetation of larger shrubs and bushes exist and unpaved roads and trails criss-cross the subject site. The site is not currently zoned, the property falls under specific Residential Communities Initiative Project of the Fort Irwin



Terrafirma
Monitors LLP

CAMP IRWIN (80001056)
(20 MILES N.E.)
BARSTOW, CA

SITE TYPE: MILITARY EVALUATION
STATUS: INACTIVE - NEEDS EVALUATION

ENVIROSTOR

- CLEANUP SITES**
 - Federal Superfund
 - State Response
 - Voluntary Cleanup
 - School Cleanup
 - Evaluation
 - School Investigation
 - Military Evaluation
 - Tiersed Permit
 - Corrective Action
- PERMITS/SITES**
 - Operating
 - Post-Closure
 - Non-Operating
- OTHER SITES**
 - GeoTracker LUFT
 - GeoTracker SLUC

MAP AN ADDRESS: Ft. Irwin, CA

SHOW SITES WITHIN: 1000 FEET OF THE FOLLOWING ADDRESS

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY
BARSTOW ROAD/OVAMA BEACH	NO FURTHER ACTION	SCHOOL INVESTIGATION	BARSTOW ROAD/OVAMA BEACH	FORT IRWIN
CAMP IRWIN	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION	(20 MILES NE OF)	BARSTOW
SPORTS CENTER	INACTIVE - NEEDS EVALUATION	MILITARY EVALUATION	(20 MILES N.E.)	BARSTOW
SPORTS CENTER	ACTIVE	STATE RESPONSE	39313 ACRES, 3/4 W. EAST OF BARSTOW, CA	FORT IRWIN

SITES CURRENTLY VISIBLE ON MAP

- INACTIVE - NEEDS EVALUATION
- ACTIVE
- NO FURTHER ACTION

4 SITES LISTED

CAMP IRWIN (80001056)

123 MILES NE1
 SAN BERNARDINO COUNTY
 SITE TYPE: P-05

SUPERVISOR:
 DEECE

DOUGLAS BAUTISTA
 CLEANUP C/PRESS

SCHEDULE FOR MAIL ALERTS

Summary [Sub-Areas](#) [Map](#)

Site Information

CLEANUP STATUS
 INACTIVE - NEEDS EVALUATION AS OF 7/1/2005

SITE TYPE: P-05
NATIONAL PRIORITIES LIST: NO
ADDRESS: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
 DTSC - SITE CLEANUP PROGRAM - L-P-C

ENVIROSTOR ID: 80001056
SITE CODE:
SPECIAL PROGRAM:
FUNDING: CERA
ASSEMBLY DISTRICT: 33
SENATE DISTRICT: 16

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
 NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN
 NONE SPECIFIED

POTENTIAL WSCA AFFECTED
 NONE SPECIFIED

Site History

FORT IRWIN NATIONAL TRAINING CENTER (68970003)

34113 ACRES, 35 MI EAST OF BARSTOW, CA
 FORT IRWIN, CA 92310
 SAN BERNARDINO COUNTY
 SITE TYPE: OPEN BASE

PROJECT MANAGER:
 SUPERVISOR:
 OFFICE:
 PUBLIC PARTICIPATION SPECIALIST:

SITE MANAGER:
 ROBERT ENVO
 CLEANUP EXPRESS
 TULARE, CALIFORNIA

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[Summary](#) | [Activities](#) | [Community Involvement](#) | [Sub-Areas](#) | [Map](#) | [Related Site Information](#)

Site Information

CLEANUP STATUS
 ACTIVE AS OF 2/2/2010

SITE TYPE: OPEN BASE
 NATIONAL PRIORITIES LIST: NO
 ACRES: 34113 ACRES
 APM: NONE SPECIFIED
 CLEANUP OVERSIGHT AGENCIES:
 DTSC - LEAD
 ASSOCIATED GEOTRACKER PROJECTS

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
 FIRE TRAINING AREAS - FIRING RANGE - ARTILLERY, FIRING RANGE - SMALL ARMS ETC. - LANDFILL - DOMESTIC LANDFILL - HAZARDOUS WASTE - LAND DISPOSAL - FILL OIL FIELD - OIL-WATER SEPARATORS - OPEN SURFACE DETENTION - UNDERGROUND STORAGE TANKS - VEHICLE MAINTENANCE

POTENTIAL CONTAMINANTS OF CONCERN
 BLENDED SOLIDS (NO. NEG)
 OTHER
 PETROLEUM
 UNIDENTIFIED
 VOLATILE ORGANICS (NO. NEG)

Site History

Fort Irwin is located in the Mojave Desert, approximately 35 miles north of the City of Barstow, San Bernardino County, CA. It is an active military installation in a desert environment. A remedial investigation was conducted at both active and abandoned landfill sites to characterize potential contamination. Soil samples from these sites contained detectable concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, dioxins/ furans, and metals. Soil gas sampling results indicated the presence of tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethane (DCA), chloroform, Picon 11, Picon 12, Picon 113, carbon tetrachloride, chloromethane, benzene, toluene, xylenes, ethylbenzene, and methane. Groundwater monitoring detected VOCs and metals above concentration limits allowed in the WDR. Therefore, GSU recommended a soil vapor extraction pilot test to be conducted.

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ENVIRONMENT ID:
 SITE CODE:
 CLEANUP PROGRAM:
 FUNDING:
 ASSEMBLY DISTRICT:
 SENATE DISTRICT:

3472033
 452033
 CSEPA
 33
 13

POTENTIAL MEDIA AFFECTED
 OTHER GROUNDWATER AFFECTED USES OTHER THAN DRINKING WATER: SOIL, SOIL VAPOR

NPMs Public Map Viewer

Public Viewer Layer List

- Gas Transmission Pipelines (scale dependent)
 - GAS
- Hazardous Liquid Pipelines (scale dependent)
 - LIQUID
 - LNG Plants (scale dependent)
- Breakout Tanks (scale dependent)
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- Roads, Railroads & Airports
 - World Transportation
- Boundary Lines & Names
 - World Boundaries and Places
- Shaded Relief
 - World Shaded Relief
- Aerial
 - World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

Please refer to the User Manual which is accessible via the Help link for guidance on this map application. If you need additional assistance, please contact the NPMs National Repository staff at npmns@dot.gov or 703-317-6294.



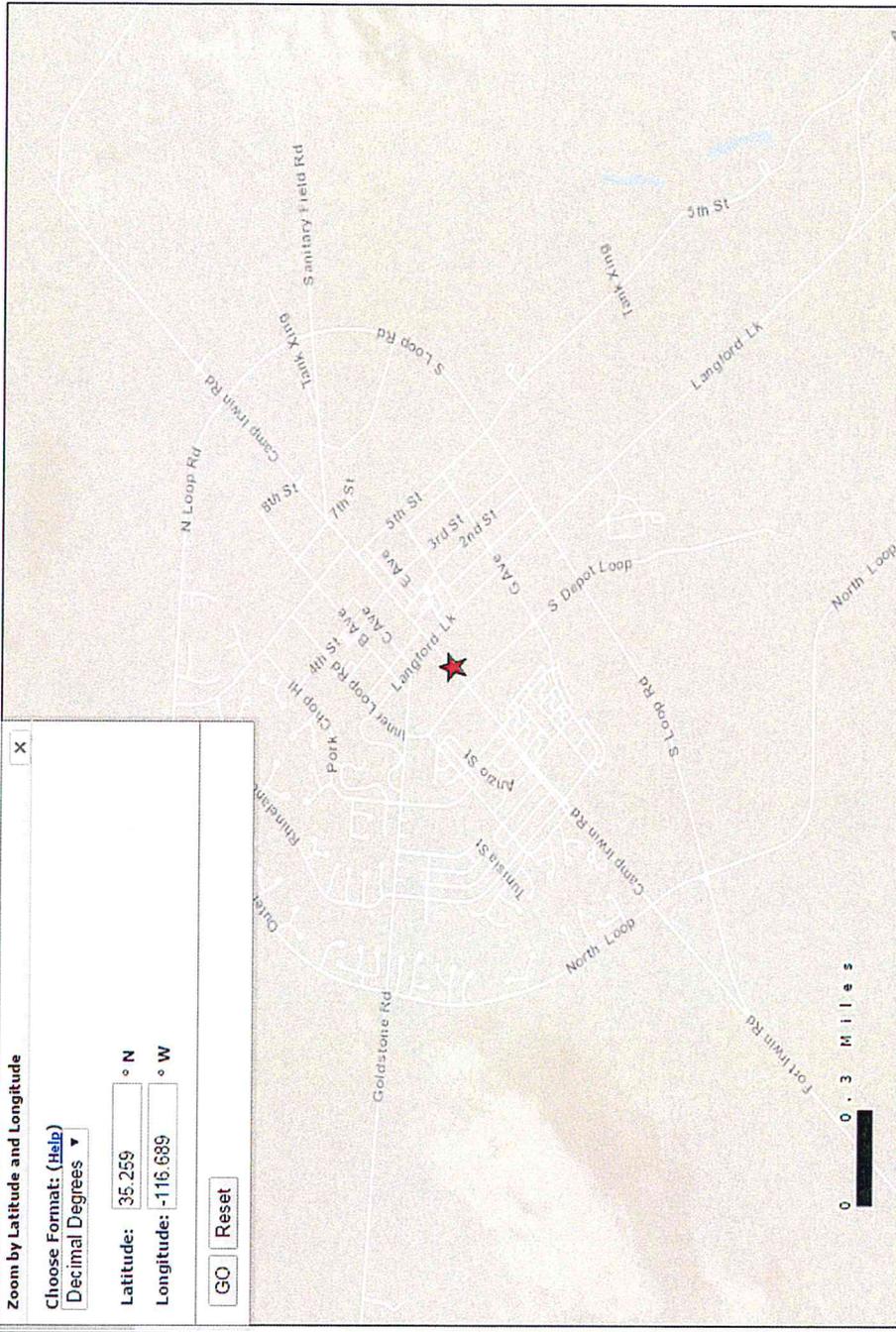


Zoom by Latitude and Longitude

Choose Format: (Help) Decimal Degrees

Latitude: ° N

Longitude: ° W



View pipelines by

0 0.3 Miles

NPMS Public Map Viewer

Public Viewer Layer List

- Gas Transmission Pipelines (scale dependent)
 - GAS
- Hazardous Liquid Pipelines (scale dependent)
 - LIQUID
- LNG Plants (scale dependent)
- Breakout Tanks (scale dependent)
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- Roads, Railroads & Airports
- World Transportation
- Boundary Lines & Names
- World Boundaries and Places
- Shaded Relief
- World Shaded Relief
- Aerial
- World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

Please refer to the User Manual which is accessible via the Help link for guidance on this map application. If you need additional assistance, please contact the NPMS National Repository staff at npms@dot.gov or 703-317-6294.





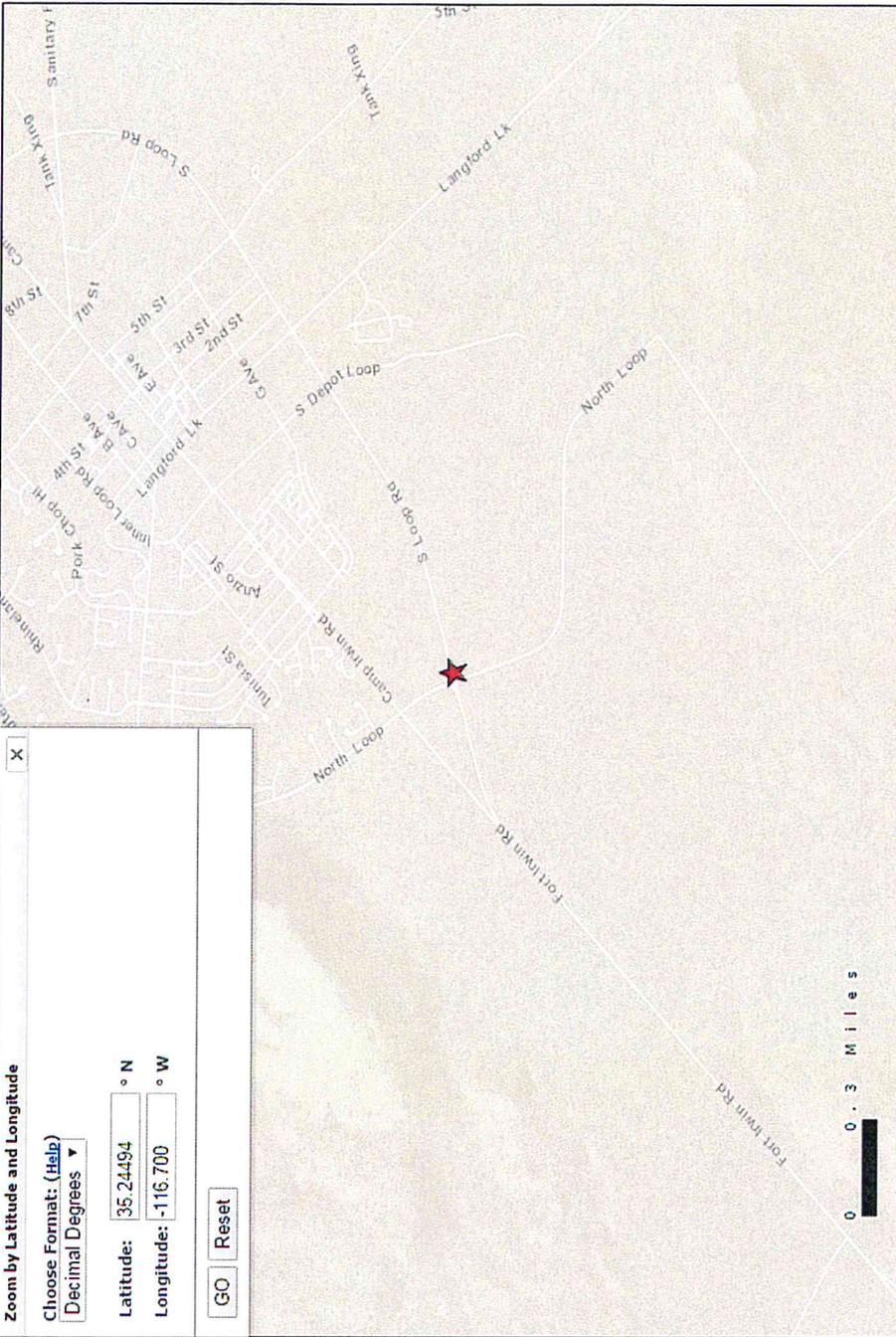
Zoom by Latitude and Longitude

Choose Format: [\(Help\)](#)

Decimal Degrees ▾

Latitude: ° N

Longitude: ° W



View pipelines by ▾



0 0.3 Miles



NPMS Public Map Viewer

Public Viewer Layer List

- Gas Transmission Pipelines (scale dependent)
 - GAS
- Hazardous Liquid Pipelines (scale dependent)
 - LIQUID
- LNG Plants (scale dependent)
- Breakout Tanks (scale dependent)
- Other Populated Areas (scale dependent)
- Highly Populated Areas (scale dependent)
- Roads, Railroads & Airports
 - World Transportation
- Boundary Lines & Names
 - World Boundaries and Places
- Shaded Relief
 - World Shaded Relief
- Aerial
 - World Imagery
- Low Resolution 15m Imagery
- High Resolution 60cm Imagery

Please refer to the User Manual which is accessible via the Help link for guidance on this map application. If you need additional assistance, please contact the NPMS National Repository staff at npms@dot.gov or 703-317-6294.



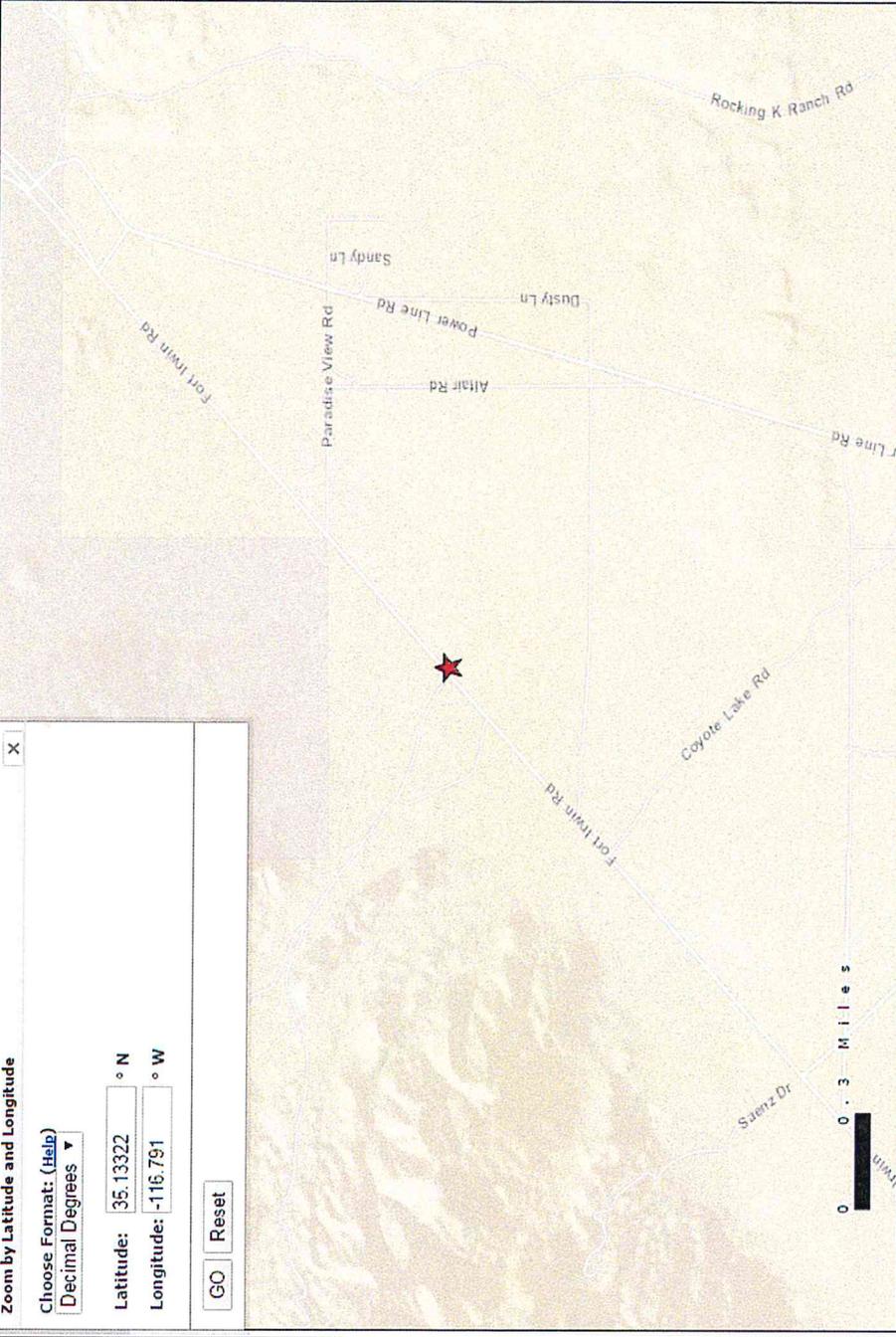


Zoom by Latitude and Longitude

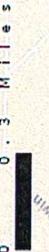
Choose Format: (Help)
Decimal Degrees

Latitude: ° N

Longitude: ° W



0 0.3 Miles



View pipelines by: ...



APPENDIX C

EDR HISTORICAL REPORTS

Verizon Ft. Irwin

Fort Irwin, CA 92310

Inquiry Number: 04293110.2r

May 14, 2015

EDR DataMap™ Corridor Study

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

FORT IRWIN, CA 92310
FORT IRWIN, CA 92310

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL LIENS.....	Federal Superfund Liens
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
LIENS 2.....	CERCLA Lien Information
CORRACTS.....	Corrective Action Report
RCRA-TSDF.....	RCRA - Treatment, Storage and Disposal
RCRA-LQG.....	RCRA - Large Quantity Generators
RCRA-SQG.....	RCRA - Small Quantity Generators
RCRA-CESQG.....	RCRA - Conditionally Exempt Small Quantity Generator
RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls
ERNS.....	Emergency Response Notification System
HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
US BROWNFIELDS.....	A Listing of Brownfields Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
US MINES.....	Mines Master Index File
TRIS.....	Toxic Chemical Release Inventory System
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System

EXECUTIVE SUMMARY

MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
RMP.....	Risk Management Plans
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
EPA WATCH LIST.....	EPA WATCH LIST
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
COAL ASH DOE.....	Steam-Electric Plant Operation Data
FEMA UST.....	Underground Storage Tank Listing
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
FEDERAL FACILITY.....	Federal Facility Site Information listing
US FIN ASSUR.....	Financial Assurance Information
LEAD SMELTERS.....	Lead Smelter Sites
PCB TRANSFORMER.....	PCB Transformer Registration Database
US HIST CDL.....	National Clandestine Laboratory Register

STATE AND LOCAL RECORDS

HIST Cal-Sites.....	Historical Calsites Database
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Toxic Pits.....	Toxic Pits Cleanup Act Sites
SWF/LF.....	Solid Waste Information System
UIC.....	UIC Listing
NPDES.....	NPDES Permits Listing
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE.....	Hazardous Waste & Substance Site List
SWRCY.....	Recycler Database
LUST.....	Geotracker's Leaking Underground Fuel Tank Report
CA FID UST.....	Facility Inventory Database
SLIC.....	Statewide SLIC Cases
UST.....	Active UST Facilities
HIST UST.....	Hazardous Substance Storage Container Database
LIENS.....	Environmental Liens Listing
CUPA Listings.....	CUPA Resources List
SWEEPS UST.....	SWEEPS UST Listing
CHMIRS.....	California Hazardous Material Incident Report System
LDS.....	Land Disposal Sites Listing
MCS.....	Military Cleanup Sites Listing
Notify 65.....	Proposition 65 Records
DEED.....	Deed Restriction Listing
VCP.....	Voluntary Cleanup Program Properties
DRYCLEANERS.....	Cleaner Facilities
WIP.....	Well Investigation Program Case List
ENF.....	Enforcement Action Listing
CDL.....	Clandestine Drug Labs
RESPONSE.....	State Response Sites
HAZNET.....	Facility and Manifest Data
EMI.....	Emissions Inventory Data
HAULERS.....	Registered Waste Tire Haulers Listing
HWP.....	EnviroStor Permitted Facilities Listing
MWMP.....	Medical Waste Management Program Listing
HWT.....	Registered Hazardous Waste Transporter Database
WMUDS/SWAT.....	Waste Management Unit Database

EXECUTIVE SUMMARY

PROC..... Certified Processors Database

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
 INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
 INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
 INDIAN UST..... Underground Storage Tanks on Indian Land
 INDIAN VCP..... Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

EDR MGP..... EDR Proprietary Manufactured Gas Plants
 EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations
 EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners
 RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank
 RGA LF..... Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

FEDERAL RECORDS

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FORT IRWIN		0	4

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 06/06/2014 has revealed that there is 1 FUDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
CAMP IRWIN		1	6

EXECUTIVE SUMMARY

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/18/2015 has revealed that there is 1 FINDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SERVICE ROCK PRODUCT	58825 FORT IRWIN RD	4	12

STATE AND LOCAL RECORDS

SCH: 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.

A review of the SCH list, as provided by EDR, and dated 03/11/2015 has revealed that there is 1 SCH site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
12.5-ACRE PROPERTY S Facility Id: 36650010 Status: No Further Action	BARSTOW ROAD/OMAHA B	2	7

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the WDS list, as provided by EDR, and dated 06/19/2007 has revealed that there is 1 WDS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
FT IRWIN Facility Status: A Facility Id: 6B361018326	FT IRWIN RD AT PARAD	3	11

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, and dated 08/01/2009 has revealed that there are 2 AST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
DAILY TRANSIT MIX LL	40901 PARADISE VIEW	3	10
SERVICE ROCK PRODUCT	58825 FORT IRWIN RD	4	12

EXECUTIVE SUMMARY

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 03/11/2015 has revealed that there are 3 ENVIROSTOR sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
BICYCLE LAKE AA RANG Facility Id: 80000884 Status: Inactive - Needs Evaluation	(20 MILES NE OF)	1	4
CAMP IRWIN Facility Id: 80001056 Status: Inactive - Needs Evaluation	(20 MILES N.E.)	1	5
12.5-ACRE PROPERTY S Facility Id: 36650010 Status: No Further Action	BARSTOW ROAD/OMAHA B	2	7

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL RECORDS</u>	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
CERCLIS	0
CERC-NFRAP	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA NonGen / NLR	0
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	1
FUDS	1
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
ODI	0
DEBRIS REGION 9	0
US MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	1
RAATS	0
RMP	0
US AIRS	0
EPA WATCH LIST	0
PRP	0
2020 COR ACTION	0
COAL ASH DOE	0
FEMA UST	0
COAL ASH EPA	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
SCRD DRYCLEANERS	0
FEDERAL FACILITY	0
US FIN ASSUR	0
LEAD SMELTERS	0
PCB TRANSFORMER	0
US HIST CDL	0
 <u>STATE AND LOCAL RECORDS</u>	
HIST Cal-Sites	0
CA BOND EXP. PLAN	0
SCH	1
Toxic Pits	0
SWF/LF	0
WDS	1
UIC	0
NPDES	0
Cortese	0
HIST CORTESE	0
SWRCY	0
LUST	0
CA FID UST	0
SLIC	0
UST	0
HIST UST	0
LIENS	0
CUPA Listings	0
SWEEPS UST	0
CHMIRS	0
LDS	0
MCS	0
AST	2
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	0
WIP	0
ENF	0
CDL	0
RESPONSE	0
HAZNET	0
EMI	0
HAULERS	0
ENVIROSTOR	3
HWP	0
MWMP	0
HWT	0
WMUDS/SWAT	0
PROC	0
 <u>TRIBAL RECORDS</u>	
INDIAN RESERV	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0

EDR PROPRIETARY RECORDS

EDR MGP	0
EDR US Hist Auto Stat	0
EDR US Hist Cleaners	0
RGA LUST	0
RGA LF	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

DOD
 Region

FORT IRWIN
FORT IRWIN (County), CA

DOD **CUSA138900**
 N/A

DOD:

Feature 1: Army DOD
 Feature 2: Not reported
 Feature 3: Not reported
 URL: Not reported
 Name 1: Fort Irwin
 Name 2: Not reported
 Name 3: Not reported
 State: CA
 DOD Site: Yes
 Tile name: CASAN_BERNARDINO

1

BICYCLE LAKE AA RANGE
(20 MILES NE OF)
BARSTOW, CA

ENVIROSTOR **S107735919**
 N/A

ENVIROSTOR:

Facility ID: 80000884
 Status: Inactive - Needs Evaluation
 Status Date: 07/01/2005
 Site Code: Not reported
 Site Type: Military Evaluation
 Site Type Detailed: FUDS
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Douglas Bautista
 Division Branch: Cleanup Cypress
 Assembly: 33
 Senate: 18
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 35.2625
 Longitude: -116.6852
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: Explosives (UXO, MEC)
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA99799FA00500
 Alias Type: Federal Facility ID
 Alias Name: J09CA7182
 Alias Type: INPR
 Alias Name: 80000884
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Inventory Project Report (INPR)
 Completed Date: 03/31/1999
 Comments: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

BICYCLE LAKE AA RANGE (Continued)

S107735919

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
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

1

**CAMP IRWIN
 (20 MILES N.E.)
 BARSTOW, CA**

ENVIROSTOR S107736031
 N/A

ENVIROSTOR:

Facility ID: 80001056
 Status: Inactive - Needs Evaluation
 Status Date: 07/01/2005
 Site Code: Not reported
 Site Type: Military Evaluation
 Site Type Detailed: FUDS
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Douglas Bautista
 Division Branch: Cleanup Cypress
 Assembly: 33
 Senate: 18
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: DERA
 Latitude: 35.2625
 Longitude: -116.6852
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: NONE SPECIFIED
 Confirmed COC: NONE SPECIFIED
 Potential Description: NONE SPECIFIED
 Alias Name: CA99799FA01300
 Alias Type: Federal Facility ID
 Alias Name: J09CA7190
 Alias Type: INPR
 Alias Name: 80001056
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
 Completed Sub Area Name: Not reported
 Completed Document Type: Not reported
 Completed Date: Not reported
 Comments: Not reported

Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAMP IRWIN (Continued)

S107736031

Future Due Date: Not reported
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

1

CAMP IRWIN

**FUDS 1009484457
 N/A**

FORT IRWIN, CA

FUDS:

Federal Facility ID: CA9799FA013
 FUDS #: J09CA7190
 INST ID: 54055
 Facility Name: CAMP IRWIN
 City: FORT IRWIN
 State: CA
 EPA Region: 09
 County: SAN BERNARDINO
 Congressional District: 25
 US Army District: Los Angeles District (SPL)
 Fiscal Year: 2012
 Telephone: 213-452-3920
 NPL Status: Not Listed
 RAB: Not reported
 CTC: 9.400000
 Current Owner: Other Federal Government
 Current Prog: Not reported
 Future Prog: Not reported
 Acreage: Not reported
 Description:

THE CAMP IRWIN SITE IS LOCATED IN THE MOJAVE DESERT IN SAN BERNARDINO COUNTY, NORTHEAST OF BARSTOW, CALIFORNIA. TO REACH THE SITE FROM DOWNTOWN BARSTOW, PROCEED NORTH AND NORTHEAST ON IRWIN ROAD ABOUT 10.5 MILES TO FT. IRWIN ROAD. PROCEED NORTHEAST ON FT. IRWIN ROAD. ABOUT 15 MILES TO THE SOUTHERN PROPERTY LINE, PLUS AN ADDITIONAL 5.5 MILES TO THE MAIN GATE. SITE INSPECTION OF THE NORTHERN HALF OF THE MANIX TANK TRAIL WAS FACILITATED BY MR JOHN SWEET, ENVIRONMENTAL COMPLIANCE SPECIALIST WHO PROVIDED VEHICLE TRANSPORTATION FROM BASE HEADQUARTERS. THE TRAIL WAS REACHED BY WAY OF LANGFORD LAKE ROAD. THE NORTHERN END OF THE TRAIL DEPARTS THE SOUTHERN BOUNDARY OF FORT IRWIN AT SECTION 20 IN T.12N., R.3E. THE LOCATION OF DISPOSED TRACT 219 IN SECTION 29 OF T.12N., R3E., WAS VIEWED FROM THE EAST SIDE OF THE TANK TRAIL IN SECTION 19 OF T.12N., R3E. TRACT 219 IS DEPICTED ON REAL ESTATE DRAWINGS AS STRAIGHT, ONE MILE LONG, ONE HUNDRED FEET WIDE, AND ORIENTED NORTH/SOUTH. FROM A GOOD VANTAGE POINT ON A HILL, WITH THE AID OF BINOCULARS, THERE WAS NO VISIBLE INDICATION THAT THIS TRACT WAS EVER DEVELOPED AS A ROAD OR FOR OTHER PURPOSES. THE LOCATION OF DISPOSED TRACT 220 IN SECTION 5 OF T. 11N., R3E., WAS VIEWED FROM POINTS ON THE NORTH SIDE OF THE TANK TRAIL IN SECTIONS 7 AND 8 OF T.11N., R3E. TRACT 220 IS DEPICTED ON REAL ESTATE DRAWINGS TO BE COMPOSED OF TWO ANGLED LEGS, ONE HUNDRED FEET WIDE, SLIGHTLY OVER ONE MILE LONG, AND ORIENTED NORTH/SOUTH. FROM A GOOD VANTAGE POINT, WITH THE AID OF BINOCULARS, THERE WAS NO VISIBLE INDICATION THAT THIS TRACT WAS EVER DEVELOPED AS A ROAD OR FOR OTHER PURPOSES. IT IS BELIEVED THAT TRACTS 219 AND 220 WERE NEVER USED AS PART OF THE TANK TRAIL.

History:

CAMP IRWIN WAS ORIGINALLY KNOWN AS THE MOJAVE ANTI-AIRCRAFT FIRING RANGE. IT IS CURRENTLY AN ACTIVE ARMY BASE AND KNOWN AS FORT IRWIN,

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAMP IRWIN (Continued)

1009484457

AND AS FORT IRWIN NATIONAL TRAINING CENTER. ON 8 AUGUST 1940, THE ARMY ACQUIRED BY TRANSFER FROM THE DEPARTMENT OF THE INTERIOR (DOI) 611,253.52 ACRES. BETWEEN 1942 AND 1993, SUBSEQUENT ACQUISITIONS FROM THE DOI, STATE OF CALIFORNIA, AND PRIVATE PARTIES BROUGHT THE TOTAL TO 636,486.13 ACRES, INCLUDING 636,243.51 ACRES FOR FORT IRWIN PROPER, AND 242.62 ACRES FOR THE ASSOCIATED MANIX TANK TRAIL. THE SITE HAS BEEN USED AS AN ARTILLERY AND ANTI-AIRCRAFT FIRING RANGE, AND MANEUVER AREA. ALL PROPERTY DISPOSALS FOR FORT IRWIN ARE ASSOCIATED WITH THE MANIX TANK TRAIL. THE TRAIL IS COMPOSED OF OVER THIRTY TRACTS. TRACT B, CONSISTING OF 115.0 ACRES, WAS ACQUIRED IN TRANSFER FROM THE DOI IN 1962. ALL OTHER TRACTS WERE ACQUIRED FROM PRIVATE PARTIES THROUGH LEASES, LICENSES, AND PERMITS DURING THE PERIOD 22 MARCH 1961 AND 21 NOVEMBER 1993. TANK TRAIL PROPERTY UNDER CONTROL OF THE ARMY HAS VARIED OVER TIME DUE TO TRACT ACREAGE REVISIONS, TRACT TERMINATIONS, TRACT RENEWALS, AND TRAIL REALIGNMENTS. BETWEEN 25 APRIL 1962 AND 30 JUNE 1976, THE ARMY PERMANENTLY DISPOSED OF 32.13 ACRES ASSOCIATED WITH THE MANIX TANK TRAIL. THE DISPOSALS CONSIST OF ALL, OR A PORTION OF SIX SEPARATE TRACTS ASSOCIATED WITH THE MANIX TANK TRAIL AS FOLLOWS: 2.75 ACRES OF TRACT B, 2.75 ACRES OF TRACT 204, 2.30 ACRES OF TRACT 210, 0.11 ACRE OF TRACT 218, 12.10 ACRES OF TRACT 219, AND 12.12 ACRES OF TRACT 220. DISPOSED AREAS INCLUDE A PORTION OF TRACT B, AND ALL OF TRACTS 204, 210, 218, 219, AND 220. TRACTS 218, 219, AND 220 WERE UNDER ARMY CONTROL FOR SLIGHTLY OVER ONE YEAR AND MAY HAVE NEVER BEEN USED AS PART OF THE TRAIL SINCE THERE WERE NO RECORDS, ANECDOTAL ACCOUNTS, OR VISUAL INDICATIONS (SEE SITE SURVEY BELOW) TO SUGGEST THAT THEY HAD BEEN USED AS SUCH.

Latitude: 35.0702020000
 Longitude: -116.681999

2

**12.5-ACRE PROPERTY SCHOOL SITE
 BARSTOW ROAD/OMAHA BEACH
 FORT IRWIN, CA 92310**

SCH S106568129
 ENVIROSTOR N/A

SCH:

Facility ID: 36650010
 Site Type: School Investigation
 Site Type Detail: School
 Site Mgmt. Req.: NONE SPECIFIED
 Acres: 12.5
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: DTSC - Site Cleanup Program
 Project Manager: Not reported
 Supervisor: Shahir Haddad
 Division Branch: Southern California Schools & Brownfields Outreach
 Site Code: 404528
 Assembly: 33
 Senate: 18
 Special Program Status: Not reported
 Status: No Further Action
 Status Date: 03/07/2005
 Restricted Use: NO
 Funding: School District
 Latitude: 35.25383
 Longitude: -116.6935
 APN: NONE SPECIFIED

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

12.5-ACRE PROPERTY SCHOOL SITE (Continued)

S106568129

Past Use: * UNKNOWN, NONE, AGRICULTURAL - ORCHARD
 Potential COC: NONE SPECIFIED, No Contaminants found
 Confirmed COC: 31000-NO
 Potential Description: NMA, NMA
 Alias Name: 12.5 - ACRE PROPERTY SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: 12.5-ACRE PROPERTY SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: SILVER VALLEY UNIFIED SCHOOL DISTRICT
 Alias Type: Alternate Name
 Alias Name: SILVER VALLEY USD-12.5 ACRE PRPRTY SCL
 Alias Type: Alternate Name
 Alias Name: 404528
 Alias Type: Project Code (Site Code)
 Alias Name: 36650010
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 08/18/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 03/07/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 04/09/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Workplan
 Completed Date: 10/07/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 06/01/2004
 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
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

12.5-ACRE PROPERTY SCHOOL SITE (Continued)

S106568129

ENVIROSTOR:

Facility ID: 36650010
 Status: No Further Action
 Status Date: 03/07/2005
 Site Code: 404528
 Site Type: School Investigation
 Site Type Detailed: School
 Acres: 12.5
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Not reported
 Supervisor: Shahir Haddad
 Division Branch: Southern California Schools & Brownfields Outreach
 Assembly: 33
 Senate: 18
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: School District
 Latitude: 35.25383
 Longitude: -116.6935
 APN: NONE SPECIFIED
 Past Use: * UNKNOWN, NONE, AGRICULTURAL - ORCHARD
 Potential COC: NONE SPECIFIED No Contaminants found
 Confirmed COC: 31000-NO
 Potential Description: NMA, NMA
 Alias Name: 12.5 - ACRE PROPERTY SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: 12.5-ACRE PROPERTY SCHOOL SITE
 Alias Type: Alternate Name
 Alias Name: SILVER VALLEY UNIFIED SCHOOL DISTRICT
 Alias Type: Alternate Name
 Alias Name: SILVER VALLEY USD-12.5 ACRE PRPRTY SCL
 Alias Type: Alternate Name
 Alias Name: 404528
 Alias Type: Project Code (Site Code)
 Alias Name: 36650010
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 08/18/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 03/07/2005
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 04/09/2004

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

12.5-ACRE PROPERTY SCHOOL SITE (Continued)

S106568129

Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: * Workplan
 Completed Date: 10/07/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 06/01/2004
 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
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

3

**DAILY TRANSIT MIX LLC
 40901 PARADISE VIEW RD
 BARSTOW, CA 92311**

AST S105790299
 San Bern. Co. Permit N/A

AST:

Certified Unified Program Agencies: San Bernardino
 Owner: DAILY TRANSIT MIX LLC
 Total Gallons: 9,000

San Bern. Co. Permit:

Region: SAN BERNARDINO
 Facility ID: FA0007622
 Owner: DAILY TRANSIT MIX LLC
 Permit Number: PT0013098
 Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
 Facility Status: ACTIVE
 Expiration Date: 01/31/2016

Region: SAN BERNARDINO
 Facility ID: FA0007622
 Owner: DAILY TRANSIT MIX LLC
 Permit Number: PT0013099
 Permit Category: HAZARDOUS MATERIALS 11-30 CHEMICALS
 Facility Status: ACTIVE
 Expiration Date: 01/31/2016

Region: SAN BERNARDINO
 Facility ID: FA0007622
 Owner: DAILY TRANSIT MIX LLC
 Permit Number: PT0013097
 Permit Category: SMALL QUANTITY GENERATOR
 Facility Status: ACTIVE
 Expiration Date: 01/31/2016

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

3

**FT IRWIN
 FT IRWIN RD AT PARADISE VIEW R
 BARSTOW, CA 92311**

**WDS S106104661
 N/A**

WDS:

Facility ID: South Lahontan 36I018326
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 0
 Facility Telephone: 7602457997
 Facility Contact: JOKERST DAVE
 Agency Name: SER ROCK PROD CO
 Agency Address: PO Box 1146
 Agency City,St,Zip: Victorville 923931146
 Agency Contact: KJELSTROM KIT
 Agency Telephone: 7602457997
 Agency Type: ?
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste Type: Not reported
 Primary Waste: Not reported
 Waste Type2: Not reported
 Waste2: Not reported
 Primary Waste Type: Not reported
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0
 Baseline Flow: 0
 Reclamation: Not reported
 POTW: Not reported
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)Site		Database(s)	EPA ID Number

4	SERVICE ROCK PRODUCTS 58825 FORT IRWIN RD FORT IRWIN, CA 92310	AST	1010000008 N/A
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AST:
 Certified Unified Program Agencies: San Bernardino
 Owner: MITSUBISHI CEMENT CORP
 Total Gallons: 10,000

4	SERVICE ROCK PRODUCTS INC FORT IRWIN 58825 FORT IRWIN RD FORT IRWIN, CA 92310	FINDS	1009606701 N/A
---	--	-------	-------------------

FINDS:
 Registry ID: 110025333217
 Environmental Interest/Information System
 US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.
 CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

4	ROBERTSON'S READY MIX 58825 FORT IRWIN RD FORT IRWIN, CA 92310	San Bern. Co. Permit	S106229990 N/A
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San Bern. Co. Permit:
 Region: SAN BERNARDINO
 Facility ID: FA0008280
 Owner: ROBERTSON'S READY MIX
 Permit Number: PT0014481
 Permit Category: APSA 1,320-10,000 GAL FAC CAPACITY
 Facility Status: ACTIVE
 Expiration Date: 04/30/2015

Region: SAN BERNARDINO
 Facility ID: FA0008280
 Owner: ROBERTSON'S READY MIX
 Permit Number: PT0014480
 Permit Category: HAZARDOUS MATERIALS 4-10 CHEMICALS
 Facility Status: ACTIVE
 Expiration Date: 04/30/2015

Region: SAN BERNARDINO
 Facility ID: FA0008280
 Owner: ROBERTSON'S READY MIX
 Permit Number: PT0014482
 Permit Category: EPCRA FACILITY
 Facility Status: INACTIVE
 Expiration Date: 04/30/2014

Region: SAN BERNARDINO
 Facility ID: FA0008280
 Owner: ROBERTSON'S READY MIX

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ROBERTSON'S READY MIX (Continued)

S106229990

Permit Number: PT0014479
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 04/30/2014

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARSTOW	S106910686	ATC-CLINE SPRINGS #89307	HWY 247	92311	San Bern. Co. Permit
BARSTOW	S106027607	BARSTOW SERVICE CENTER	29802 HWY 58	92311	CA FID UST, San Bern. Co. Permit
BARSTOW	S105697172	CO OF SB - BARSTOW ROAD YD	29802 HWY 58	92311	SWEEPS UST
BARSTOW	1006805330	BARSTOW SERVICE CENTER	29802 HWY 58	92311	RCRA-SQG, FINDS
BARSTOW	S101591414	SOUTHERN SERVICES RETAIL	30370 HIGHWAY 58	92311	CA FID UST, SWEEPS UST
BARSTOW	S113663469	BARSTOW TRUCK SERVICE	26375 HWY 58	92311	San Bern. Co. Permit, HAZNET
BARSTOW	S101629918	KNUDSEN CORPORATION	26980 HIGHWAY 66	92311	CA FID UST, SWEEPS UST
BARSTOW	U001574496	KNUDSEN CORPORATION	26980 HIGHWAY 66	92311	HIST UST
BARSTOW	S113751717	VERIZON - GC# 702	APOLLO GOLDSTONE IN FORT IRWIN	92311	EMI
BARSTOW	1016791409	VERIZON - GC# 702	APOLLO GOLDSTONE IN FORT IRWIN	92311	FINDS
BARSTOW	S106926143	FEDERAL AVIATION ADMIN	BARSTOW SITE B	92311	SWEEPS UST
BARSTOW	S101591644	FEDERAL AVIATION ADMIN	BARSTOW SITE A	92311	CA FID UST, SWEEPS UST
BARSTOW	S106926142	FEDERAL AVIATION ADMIN	BARSTOW RML	92311	SWEEPS UST
BARSTOW	S111456335	BARSTOW LANDFILL	32553 BARSTOW RD	92311	San Bern. Co. Permit
BARSTOW	S106924978	COUNTY OF SAN BERNARDINO	BARSTOW ROAD YARD/29802 HIGHWAY 58	92311	SWEEPS UST
BARSTOW	1015757262	MCLB, BARSTOW B570	BOX 110570 BLDG 196	92311	CORRACTS, RCRA-TSDF, RCRA-LQI
BARSTOW	S106717986	AT&T MOBILITY #13406	CALICO PEAK	92311	PADS, MANIFEST, 2020 COR ACTIOI
BARSTOW	S105022680	YERMO CLASS III LANDFILL	C/O FACILITIES DIV BLDG 1	92311	San Bern. Co. Permit
BARSTOW	1016791407	VERIZON - GC# 720	FORD MOUNTAIN M/W STN @ FT. IRWIN	92311	HIST CORTESE
BARSTOW	S113751715	VERIZON - GC# 720	FORD MOUNTAIN M/W STN @ FT. IRWIN	92311	FINDS
BARSTOW	1000392482	FORT IRWIN ROAD DISPOSAL	FORT MOUNTAIN M/W STN @ FT. IRWIN	92311	EMI
BARSTOW	1003878430	FORT IRWIN RD DSPL	FORT IRWIN ROAD	92311	ENVIROSTOR
BARSTOW	S117700430	FORT IRWIN ACCESS CONTROL POINT	FORT IRWIN RD	92311	CERC-NFRAP
BARSTOW	S113751716	VERIZON - GC# 722	FORT IRWIN	92311	NPDES
BARSTOW	1016791408	VERIZON - GC# 722	GOLDSTONE ECHO M/W STN @ FT IRWIN	92311	EMI
BARSTOW	S101619212	GOLDSTONE TRACKING STATION	GOLDSTONE ECHO M/W STN @ FT IRWIN	92311	FINDS
BARSTOW	S109117834	BIG SKY RADIATOR	GOLDSTONE RD	92311	FINDS
BARSTOW	U001574443	BARSTOW	30859 E HIGHWAY 58	92311	CA FID UST, SWEEPS UST
BARSTOW	1000727391	OWLROCK PRODUCTS CO	31943 EAST HIGHWAY 66	92311	San Bern. Co. Permit
BARSTOW	S101590919	CHEVRON STATION #2322	31943 E HIGHWAY 66	92311	HIST UST
BARSTOW	U001574500	MILLER TRANSFER & STORAGE	29874 E HIGHWAY 58	92311	CA FID UST, SWEEPS UST
BARSTOW	S117542625	FORT IRWIN BATCH PLANT	31259 E. HWY 66	92311	CA FID UST, SWEEPS UST
BARSTOW	S112142711	SCE - FLASH TWO COM SITE	FT IRWIN RD AT PARADISE VIEW R	92311	HIST UST
BARSTOW	S113751713	VERIZON - GC# 733	IRWIN RD, N/O OLD 58 RD	92311	NPDES
BARSTOW	1016791406	VERIZON - GC# 733	IRWIN RD, N/O OLD 58 RD	92311	San Bern. Co. Permit
BARSTOW	S114401500	ECOLGY AUTO PARTS, INC	LANE MOUNTAIN M/W STN	92311	EMI
BARSTOW	1015732587	JPL GOLDSTONE TRACKING FACILITY	LANE MOUNTAIN M/W STN	92311	FINDS
BARSTOW	S105974177	VERIZON CALIFORNIA, INC.:LANE MOUNTAIN MW	2431 W MAIN B	92311	San Bern. Co. Permit
BARSTOW	S106910850	MCLB-NEBO	36 M N OF	92311	CERC-NFRAP, RCRA-SQG
BARSTOW	U004050657	FE-MCLB-NEBO	10 MI N/O FORT IRWIN RD	92311	San Bern. Co. Permit
BARSTOW	1003878716	NL INDS INC NEWBERRY SPRINGS PLT	NEBO-UST(324A-C)	92311	San Bern. Co. Permit
BARSTOW	S106911096	SMITH'S FEED & FARM SUPPL	OFF MOUNTAIN VIEW RD 20 MI EOF	92311	San Bern. Co. Permit
BARSTOW			30878 OLD HWY 58	92311	UST
BARSTOW				92311	CERC-NFRAP
BARSTOW				92311	San Bern. Co. Permit

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARSTOW	S103974853	BILLY SMITH	30463 OLD HWY 58	92311	San Bern. Co. Permit
BARSTOW	S105022684	BARSTOW CLASS III LF/SLUD	S. ON BARSTOW RD	92311	HIST CORTESE
BARSTOW	S111311472	SCE-ORD MOUNTAIN	13.1 MI S/O DAGGETT & HWY RD	92310	San Bern. Co. Permit
BARSTOW	U001574513	UNION OIL SERV. STATION #5370	NORTH SIDE MAIN AND HIGHWAY 15	92311	HIST UST
BARSTOW	1001959949	CALTRANS	STATE RTE 15 POSTMILE 123	92311	RCRA NonGen / NLR
BARSTOW	1003878808	ATCHISON TOPEKA & SANTA FE RWY CO	470 L STREET AT H STREET	92311	CERC-NFRAP
BARSTOW	1016791410	VERIZON - GC# 708	TOP OF BARSTOW HILL	92311	FINDS
BARSTOW	S113751719	VERIZON - GC# 708	TOP OF BARSTOW HILL	92311	EMI
BARSTOW CA	S104156492	FORT IRWIN RD LAND TREATMENT	H & MAIN ST PO BOX 879	92311	WMUDS/SWAT
BARSTOW CA	S101310227	BARSTOW CLASS III LF/SLUDGEFRM	32553 BARSTOW RD	92311	WMUDS/SWAT
BARSTOW CA	S103442793	VERMO INDUSTRIAL WTF	C/O FACILITIES DIV BLD 198	92311	WMUDS/SWAT
BARSTOW CA	S103442542	NEBO INDUSTRIAL WTF	C/O FACILITIES DIV BLD 198	92311	WMUDS/SWAT
BARSTOW CA	S101612538	VERMO CLASS III LANDFILL	C/O FACILITIES DIV BLD 198	92311	WMUDS/SWAT
BARSTOW CA	S103442541	CLASSIFICATION YARD (WEST WTF)	SOUTH SIDE OF MOJAVE RIVER	92311	WMUDS/SWAT
COUNTY	U001575278	LAVIC QUARRY	NATIONAL TRAILS HIGHWAY	92365	HIST UST
FORT IRWIN	1016933891	US ARMY - FORT IRWIN - NTC	35 18' 01"N 116 40' 19"W	92310	US AIRS
FORT IRWIN	S117700433	FORT IRWIN WASTE WATER TREATMENT PLANT	5 5TH & OUTER LOOP RD	92310	NPDES
FORT IRWIN	S116497619	FORT IRWIN RANGE COMMUNICATION PROJECT	381 NORTH 5TH STREET	92310	NPDES
FORT IRWIN	1010731428	FORT IRWIN NATIONAL TRAINING CENTER	36313 ACRES; 36 MI EAST OF BARSTOW	92310	FINDS
FORT IRWIN	1007465926	U.S. ARMY-FORT IRWIN	ADMINISTRATION BLDG. 381	92310	ICIS, FINDS
FORT IRWIN	S105256857	COMMANDER NTC & FORT IRWIN	AFZJ/PW EN PO BOX 105097	92310	WDS
FORT IRWIN	S117700432	FORT IRWIN CRACKER/JACK FLATS	ALONG BARSTOW RD BW RHINELAND ST & SALERNO DR	92310	NPDES
FORT IRWIN	S112833959	VERIZON WIRELESS - LANGFORD	BARSTOW RDSOUTH LOOP	92310	San Bern. Co. Permit
FORT IRWIN	S117348028	IRWIN SUBSTATION PHASE 1 AND 2	BARSTOW ROAD BETWEEN 3RD STREET AND 8TH STREET	92310	NPDES
FORT IRWIN	S106910839	FORT IRWIN NTC	BLDG 602 EHS	92310	AST, San Bern. Co. Permit
FORT IRWIN	S106910840	FORT IRWIN NTC	BLDG 34	92310	San Bern. Co. Permit
FORT IRWIN	S113751707	VERIZON GC721	BLDG 12 AT FORT IRWIN ARMY BASE	92310	EMI
FORT IRWIN	S114714937	US ARMY FORT IRWIN BLDG 6200	BLDG 6200 FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714935	US ARMY FORT IRWIN BLDG 385	BLDG 385 FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714947	US ARMY FORT IRWIN BLDG 879	BLDG 879 FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714945	US ARMY FORT IRWIN BLDG 873	BLDG 873 FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714942	US ARMY FORT IRWIN BLDG 830	BLDG 830 FORT IRWIN	92310	RGALUST
FORT IRWIN	S106910838	FORT IRWIN NTC	BLDG 909	92310	San Bern. Co. Permit
FORT IRWIN	S114714950	US ARMY FORT IRWIN BLDG 909	BLDG 909 FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714948	US ARMY FORT IRWIN BLDG 879	BLDG 879	92310	RGALUST
FORT IRWIN	S112882047	FORT IRWIN ARMY BASE	BLDG 988 GOLDSTONE RD	92310	HAZNET
FORT IRWIN	S112836533	US ARMY NAT TRAINING CTR - FT IRWIN	BLDG 385, 630/703	92310	HAZNET
FORT IRWIN	S109467246	US ARMY NAT TRAINING CTR - FT IRWIN	BLDG 385, 630/703	92310	HWP
FORT IRWIN	1016791402	VERIZON GC721	BLDG 12 AT FORT IRWIN ARMY BASE	92310	FINDS
FORT IRWIN	S110326705	SCE - MILITARY SUBSTATION	NW C/O GOLDSTONE & RHINEL	92310	San Bern. Co. Permit
FORT IRWIN	S117700431	FORT IRWIN BARRACKS COMPLEX	CORNER OF 9TH ST & BARSTOW RD	92310	NPDES
FORT IRWIN	S105482157	VERIZON WIRELESS	FORD MOUNTAIN	92310	San Bern. Co. Permit
FORT IRWIN	S114714951	US ARMY FORT IRWIN BLDG 909	FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714946	US ARMY FORT IRWIN BLDG 873	FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714940	US ARMY FORT IRWIN BLDG 681	FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714933	US ARMY FORT IRWIN B143 T72	FORT IRWIN	92310	RGALUST
FORT IRWIN	S114714943	US ARMY FORT IRWIN BLDG 830	FORT IRWIN	92310	RGALUST

Count: 149 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
FORT IRWIN	S114714941	US ARMY FORT IRWIN BLDG 682	FORT IRWIN		RGA LUST
FORT IRWIN	S114714939	US ARMY FORT IRWIN BLDG 680	FORT IRWIN		RGA LUST
FORT IRWIN	S114714934	US ARMY FORT IRWIN BLDG 143	FORT IRWIN NTC		RGA LUST
FORT IRWIN	S114714938	US ARMY FORT IRWIN BLDG 6200	FORT IRWIN		RGA LUST
FORT IRWIN	S114714949	US ARMY FORT IRWIN BLDG 879	FORT IRWIN		RGA LUST
FORT IRWIN	S114714936	US ARMY FORT IRWIN BLDG 385	FORT IRWIN		RGA LUST
FORT IRWIN	S117700434	FORT IRWIN	FORT IRWIN	92310	NPDES
FORT IRWIN	1011841061	US ARMY NATIONAL TRAINING CENTER AND FORT IRWIN	FORT IRWIN ROAD	92310	RMP
FORT IRWIN	S103442535	BLDG 873	FORT IRWIN		HIST CORTESE, CHMIRS, WMUDS/S
FORT IRWIN	S117388310	VERIZON CALIFORNIA, INC.: ECHO/GOLDSTONE CO	GOLDSTONE RD	92310	San Bern. Co. Permit
FORT IRWIN	S113880909	FORT IRWIN WATER TREATMENT AND DISTRIBUTION SYSTEM	GOLDSTONE ROAD	92310	NPDES
FORT IRWIN	S106925674	ECHO TRACKING STATION	GOLDSTONE DP SP COMM	92310	SWEEPS UST
FORT IRWIN	S110326711	SCE -MARS SUBSTATION	93 GOLDSTONE RD @GOLDSTONE	92310	San Bern. Co. Permit
FORT IRWIN	S117566020	VERIZON WIRELESS-DESERT KING SOUTH	GRANITE MOUNTAIN	92310	San Bern. Co. Permit
FORT IRWIN	1015730589	COMMANDER NTC & FORT IRWIN	IMNT-PWE	92310	CERCLIS, CORRACTS, RCRA-TSDF, RCRA-LQG, 2020 COR. ACTION
FORT IRWIN	1016058192	U.S. ARMY FORT IRWIN LIVE FIRE & TRAINING RANGE	IMWE-IRW-PWE	92310	FINDS
FORT IRWIN	S110326714	SCE -TIEFORT SUBSTATION	FT IRWIN RD & PICKERING RD	92310	San Bern. Co. Permit
FORT IRWIN	S111456417	CONVERSION FIRESTONE	910 LANGFORD RD	92310	San Bern. Co. Permit
FORT IRWIN	S106718038	AT&T MOBILITY-FORT IRWIN #11664	5 MILES S OF FT IRWIN	92310	San Bern. Co. Permit
FORT IRWIN	1007297310	U S ARMY-FORT IRWIN	P O BOX 105001	92310	FTTS, HIST FTTS
FORT IRWIN	S117388313	VERIZON CALIFORNIA, INC.: FORT IRWIN CO BLDG 708	NE OF INNER LOOP/BARSTOW RD	92310	San Bern. Co. Permit
FORT IRWIN	S102532318	FORT IRWIN WTF	SE OF 5TH ST	92310	HIST CORTESE, LUST
FORT IRWIN	S112869113	FORT IRWIN	E POST CANTONMENT AREA	92310	WDS, ENF
FORT IRWIN	S117388312	VERIZON CALIFORNIA, INC.: FORD MOUNTAIN MW	TANK RMVL FROM VARIOUS SITES	92310	HAZNET
FORT IRWIN	S112914355	FORT IRWIN	TOP OF FORD MOUNTAIN	92310	San Bern. Co. Permit
FORT IRWIN	S112920152	FORT IRWIN/MOTHER/BABY UNIT	WEED ARMY HOSPITAL	92310	HAZNET
FORT IRWIN	S112907987	FORT IRWIN	WEED ARMY HOSP/BLDG 166	92310	HAZNET
FORT IRWIN (MIL RES)	1008062996	FORT IRWIN SANITARY LANDFILL	WEED ARMY HOSPITAL BLDG 166	92310	HAZNET
FORT IRWIN (MIL RES)	1017372381	FORT IRWIN SANITARY LANDFILL	FT IRWIN RESERVE COMPONENT TRAINING CENT	92310	HAZNET
FORT IRWIN CA	S103443202	FT IRWIN FIRE FIGHT TRAIN'G AR	RESERVE COMPONENT TRAINING CENTER	92310	FINDS
FT IRWIN	S112836384	FT IRWIN FMIG	BARSTOW AND BICYCLE LAKE RDS.	92310	FINDS
FT IRWIN	S106927550	IRWIN HOUSE	BLDG 945	92310	WMUDS/SWAT
FT IRWIN	S106929807	NATIONAL TRAINING CENTER	12 BUILDING	92310	HAZNET
FT IRWIN	S106929808	NATIONAL TRAINING CENTER	LANGFORD LAKE RD/BLDG 909	92310	SWEEPS UST
LENWOOD	S113751705	VERIZON GC734	LANGFORD LAKE RD/BLDG 910	92310	SWEEPS UST
LENWOOD	S109598648	VERIZON CALIFORNIA, INC.: LENWOOD CO	25321 ASH ROAD	92310	SWEEPS UST
LENWOOD	1016791401	VERIZON GC734	25321 ASH RD	92311	EMI
LENWOOD	S105256863	LENWOOD HINKLEY SANITARY LF	25321 ASH ROAD	92311	San Bern. Co. Permit
LENWOOD	1000455608	LENWOOD HINKLEY LANDFILL	37751 LENWOOD RD	92311	FINDS
NEWBERRY CA	S102005996	DESERT OASIS SAFETY RDSIDE RES	1 1/2 MI N OF HWY 58 LENWOOD	92311	SWF/LF, NPDES, WDS
NEWBERRY SPRINGS	S110326656	VERIZON BUSINESS	I-40 E/O NEWBERRY	92365	RCRA-SQG, HIST CORTESE
			N35D 04.629X W116D 31.526	92365	WMUDS/SWAT
					San Bern. Co. Permit

Count: 149 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEWBERRY SPRINGS	100856941	CHEVRON STATION 9 3136	HIGHWAY 66	92365	RCRA-SQG, HAZNET
NEWBERRY SPRINGS	S110326719	SCE-CADY SUBSTATION	NE C/O NEWBERRY & FAIRVIEW RD	92365	San Bern. Co. Permit
NEWBERRY SPRINGS	U001575284	RANCH	34981 D	92365	HIST UST
NEWBERRY SPRINGS	S103369207	ELEMENTIS SPECIALTIES	27575 E HECTOR RD	92365	San Bern. Co. Permit
NEWBERRY SPRINGS	S106112203	ARCHIBECK FARMS	LIMOUSINE LN & ROUTE 66	92365	San Bern. Co. Permit
NEWBERRY SPRINGS	S110656301	FAA QSU MANNIX ROL	MOJAVE TRL	92365	San Bern. Co. Permit
NEWBERRY SPRINGS	1003879078	ABANDONED REFINERY SITE	PIONEER AND MT. VIEW	92365	CERC-NFRAP
NEWBERRY SPRINGS	1003878435	NEWBERRY DUMP	PONIENTE DR 3 MI S OF	92365	CERC-NFRAP
NEWBERRY SPRINGS	S108724311	AFTON CANYON-UNION PACIFIC RAILROAD	SEC 13,14,18,19,20,21 & 22, T.11N, R.6E	92365	CERCLIS
NEWBERRY SPRINGS CA	S101612548	ABANDONED HAZARDOUS WASTE	SILVER VALLEY RD	92365	San Bern. Co. Permit
NEWBERRY SPRINGS CA	S104160715	FT CADY BORATE	PO BOX 100	92365	WMUDS/SWAT
SAN BERNARDINO COUN'	M300003167	NEWBERRY COMPRESSOR STATION	3 MI SO OF I-40, FORT CADY RD	92365	WMUDS/SWAT
SAN BERNARDINO COUN'	M300003171	SERVICE ROCK PRODUCTS CORP.	BARSTOW PLANT	92365	US MINES
SAN BERNARDINO COUN'	M300000964	HI-GRADE MATERIALS CO.	LUCERNE VALLEY PIT & PLANT		US MINES
SAN BERNARDINO COUN'	1016139697	MITSUBISHI CEMENT CO	LUCERNE VALLEY (CUSHENBURY PLANT)		US MINES
SAN BERNARDINO COUN'	M300006413	CIMA ROAD MINE WASTE SITE	1 MIL W OF INTE. 15 OFF CIMA ROAD		CERCLIS
SAN BERNARDINO COUN'	S113881955	SIERRA AGGREGATE, INC.	RED TOP MINE		US MINES
		VERIZON CALIFORNIA UTILITY VAULTS IN THE	REGION-WIDE		NPDES
		SANTA ANA REGION			

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.

FEDERAL RECORDS

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: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	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: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

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: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

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: 02/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/18/2014	Telephone: 202-564-6023
Date Made Active in Reports: 04/24/2014	Last EDR Contact: 04/27/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2014	Source: EPA
Date Data Arrived at EDR: 12/29/2014	Telephone: 800-424-9346
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

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: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

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: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

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.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional 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.

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

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: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 03/31/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/30/2014	Telephone: 202-366-4555
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/05/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Quarterly

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: 12/22/2014
Date Data Arrived at EDR: 12/22/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

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: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

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: 12/03/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

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.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 24

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 03/10/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Annually

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: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/27/2015
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

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

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: 04/23/2015
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: No Update Planned

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: 12/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 12/31/2014	Telephone: 303-231-5959
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/06/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Semi-Annually

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: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 01/29/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Every 4 Years

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: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

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: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/10/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Annually

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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/27/2015
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/17/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Annually

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: 12/29/2014	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 01/08/2015	Telephone: 301-415-7169
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

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: 02/27/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2015	Telephone: 202-343-9775
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/20/2015
	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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/18/2015	Source: EPA
Date Data Arrived at EDR: 02/27/2015	Telephone: (415) 947-8000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

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: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/10/2015
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/24/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Biennially

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

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: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

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: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/18/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register

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: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

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: 07/21/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
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: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
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: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

STATE AND LOCAL RECORDS

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
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
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: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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: 02/16/2015	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 02/17/2015	Telephone: 916-341-6320
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/17/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 03/12/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2015	Telephone: 916-445-9379
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/13/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014	Source: Department of Conservation
Date Data Arrived at EDR: 12/15/2014	Telephone: 916-445-2408
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/20/2015
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 02/23/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

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: 03/10/2015	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/31/2015	Telephone: 916-323-3400
Date Made Active in Reports: 04/10/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 07/13/2015
	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 [CALSTITES]. This listing is no longer updated by the state agency.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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
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 Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
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
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
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
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

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

SLIC: Statewide SLIC Cases

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: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
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
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
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
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

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: Semi-Annually

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: Semi-Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 03/13/2015	Source: State Water Quality Control Board
Date Data Arrived at EDR: 03/18/2015	Telephone: 866-480-1028
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/13/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 03/13/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/18/2015	Telephone: 866-480-1028
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/18/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/29/2015
	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: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 03/23/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: No Update Planned

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: 03/09/2015	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/10/2015	Telephone: 916-323-3400
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/10/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Semi-Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

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 laundriers; laundry and garment services.

Date of Government Version: 02/18/2015
Date Data Arrived at EDR: 02/20/2015
Date Made Active in Reports: 03/12/2015
Number of Days to Update: 20

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Annually

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: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

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: 12/31/2014
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
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.

Date of Government Version: 04/30/2015
Date Data Arrived at EDR: 05/01/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 12

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

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: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/19/2014
Number of Days to Update: 35

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 03/25/2014
Date Made Active in Reports: 04/28/2014
Number of Days to Update: 34

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

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: 03/11/2015
Date Data Arrived at EDR: 03/12/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 6

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/04/2015
Date Data Arrived at EDR: 04/07/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 6

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

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: 01/16/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/06/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: No Update Planned

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.

Date of Government Version: 04/13/2015
Date Data Arrived at EDR: 04/15/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 8

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/24/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/16/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 6

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

TRIBAL RECORDS

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: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
Next Scheduled EDR Contact: 08/17/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/10/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 31

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-8677
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

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: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

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: 01/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-7439
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/10/2015
	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: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	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: 01/28/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6271
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

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: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/03/2015
Number of Days to Update: 184	Next Scheduled EDR Contact: 08/10/2015
	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: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 04/28/2015
Number of Days to Update: 271	Next Scheduled EDR Contact: 08/10/2015
	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: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-9424
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

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: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/13/2015	Telephone: 214-665-7591
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	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: 01/29/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6137
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

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: 12/14/2014	Source: EPA Region 9
Date Data Arrived at EDR: 02/13/2015	Telephone: 415-972-3368
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

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: 01/30/2015	Source: EPA Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-6136
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 04/02/2015
Number of Days to Update: 36	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

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: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

EDR PROPRIETARY 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.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas 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.

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: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry 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

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

COUNTY RECORDS

ALAMEDA COUNTY:

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: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015
Date Data Arrived at EDR: 01/28/2015
Date Made Active in Reports: 02/26/2015
Number of Days to Update: 29

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 11/20/2014
Date Data Arrived at EDR: 11/24/2014
Date Made Active in Reports: 01/07/2015
Number of Days to Update: 44

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 04/27/2015
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 04/17/2015
Date Data Arrived at EDR: 04/21/2015
Date Made Active in Reports: 05/07/2015
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/11/2014
Date Data Arrived at EDR: 06/13/2014
Date Made Active in Reports: 07/07/2014
Number of Days to Update: 24

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 02/23/2015	Source: Contra Costa Health Services Department
Date Data Arrived at EDR: 02/25/2015	Telephone: 925-646-2286
Date Made Active in Reports: 03/04/2015	Last EDR Contact: 05/04/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 02/23/2015	Source: Del Norte County Environmental Health Division
Date Data Arrived at EDR: 02/25/2015	Telephone: 707-465-0426
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/04/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/24/2015	Source: El Dorado County Environmental Management Department
Date Data Arrived at EDR: 02/25/2015	Telephone: 530-621-6623
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/04/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

FRESNO COUNTY:

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: 03/31/2015	Source: Dept. of Community Health
Date Data Arrived at EDR: 04/15/2015	Telephone: 559-445-3271
Date Made Active in Reports: 04/23/2015	Last EDR Contact: 04/06/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/11/2015	Source: Humboldt County Environmental Health
Date Data Arrived at EDR: 03/13/2015	Telephone: N/A
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 04/27/2015
Date Data Arrived at EDR: 04/28/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 15

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 07/22/2014
Date Data Arrived at EDR: 11/12/2014
Date Made Active in Reports: 12/19/2014
Number of Days to Update: 37

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Quarterly

KINGS COUNTY:

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: 03/26/2015
Date Data Arrived at EDR: 04/16/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 7

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/20/2015
Date Data Arrived at EDR: 01/21/2015
Date Made Active in Reports: 02/05/2015
Number of Days to Update: 15

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Varies

LOS ANGELES COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009	Source: EPA Region 9
Date Data Arrived at EDR: 03/31/2009	Telephone: 415-972-3178
Date Made Active in Reports: 10/23/2009	Last EDR Contact: 03/23/2015
Number of Days to Update: 206	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014	Source: Department of Public Works
Date Data Arrived at EDR: 01/30/2015	Telephone: 626-458-3517
Date Made Active in Reports: 03/04/2015	Last EDR Contact: 04/13/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/20/2015	Source: La County Department of Public Works
Date Data Arrived at EDR: 04/20/2015	Telephone: 818-458-5185
Date Made Active in Reports: 05/07/2015	Last EDR Contact: 04/20/2015
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009	Source: Engineering & Construction Division
Date Data Arrived at EDR: 03/10/2009	Telephone: 213-473-7869
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 04/15/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015	Source: Community Health Services
Date Data Arrived at EDR: 01/29/2015	Telephone: 323-890-7806
Date Made Active in Reports: 03/10/2015	Last EDR Contact: 04/16/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/02/2015	Telephone: 310-524-2236
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 03/06/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 01/29/2015	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 02/13/2015	Telephone: 562-570-2563
Date Made Active in Reports: 02/26/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/14/2015
Date Data Arrived at EDR: 04/23/2015
Date Made Active in Reports: 05/11/2015
Number of Days to Update: 18

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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: 03/20/2015
Date Data Arrived at EDR: 03/24/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 7

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014
Date Data Arrived at EDR: 10/22/2014
Date Made Active in Reports: 12/15/2014
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 05/05/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 7

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List

CUPA Facility List

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/06/2015
Date Made Active in Reports: 03/10/2015
Number of Days to Update: 4

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 03/19/2015	Source: Monterey County Health Department
Date Data Arrived at EDR: 03/20/2015	Telephone: 831-796-1297
Date Made Active in Reports: 03/31/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 11	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 12/06/2011	Telephone: 707-253-4269
Date Made Active in Reports: 02/07/2012	Last EDR Contact: 02/26/2015
Number of Days to Update: 63	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008	Source: Napa County Department of Environmental Management
Date Data Arrived at EDR: 01/16/2008	Telephone: 707-253-4269
Date Made Active in Reports: 02/08/2008	Last EDR Contact: 02/26/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 02/12/2015	Source: Community Development Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 530-265-1467
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/04/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2015	Source: Health Care Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 714-834-3446
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/06/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2015	Source: Health Care Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 714-834-3446
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/06/2015
Number of Days to Update: 18	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2015	Source: Health Care Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 714-834-3446
Date Made Active in Reports: 02/26/2015	Last EDR Contact: 05/12/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/10/2015	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 03/12/2015	Telephone: 530-745-2363
Date Made Active in Reports: 03/18/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/28/2015	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/30/2015	Telephone: 951-358-5055
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/28/2015	Source: Department of Environmental Health
Date Data Arrived at EDR: 04/30/2015	Telephone: 951-358-5055
Date Made Active in Reports: 05/13/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 02/02/2015	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/08/2015	Telephone: 916-875-8406
Date Made Active in Reports: 04/16/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

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: 02/02/2015	Source: Sacramento County Environmental Management
Date Data Arrived at EDR: 04/08/2015	Telephone: 916-875-8406
Date Made Active in Reports: 04/16/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/02/2015	Source: San Bernardino County Fire Department Hazardous Materials Division
Date Data Arrived at EDR: 03/03/2015	Telephone: 909-387-3041
Date Made Active in Reports: 03/10/2015	Last EDR Contact: 05/12/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

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: 09/23/2013	Source: Hazardous Materials Management Division
Date Data Arrived at EDR: 09/24/2013	Telephone: 619-338-2268
Date Made Active in Reports: 10/17/2013	Last EDR Contact: 03/10/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014	Source: Department of Health Services
Date Data Arrived at EDR: 11/21/2014	Telephone: 619-338-2209
Date Made Active in Reports: 12/29/2014	Last EDR Contact: 04/27/2015
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

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: 03/09/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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: 05/06/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010	Source: Department of Public Health
Date Data Arrived at EDR: 03/10/2011	Telephone: 415-252-3920
Date Made Active in Reports: 03/15/2011	Last EDR Contact: 05/06/2015
Number of Days to Update: 5	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 03/24/2015	Source: Environmental Health Department
Date Data Arrived at EDR: 03/25/2015	Telephone: N/A
Date Made Active in Reports: 03/31/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/23/2015	Source: San Luis Obispo County Public Health Department
Date Data Arrived at EDR: 02/24/2015	Telephone: 805-781-5596
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 02/23/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 04/13/2015	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 04/15/2015	Telephone: 650-363-1921
Date Made Active in Reports: 04/23/2015	Last EDR Contact: 03/16/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Annually

Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/16/2015	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 03/17/2015	Telephone: 650-363-1921
Date Made Active in Reports: 03/24/2015	Last EDR Contact: 03/13/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 06/29/2015
	Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/25/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

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

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: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/23/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 8

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/07/2015
Next Scheduled EDR Contact: 08/24/2015
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/24/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 12/31/2014
Number of Days to Update: 36

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa Facility List.

Date of Government Version: 03/11/2015
Date Data Arrived at EDR: 03/13/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 11

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/24/2015
Number of Days to Update: 5

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/13/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 03/31/2015
Number of Days to Update: 11

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List

Cupa Facility list

Date of Government Version: 03/31/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/10/2015
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2015
Date Data Arrived at EDR: 04/02/2015
Date Made Active in Reports: 04/13/2015
Number of Days to Update: 11

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/18/2015
Number of Days to Update: 8

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 05/05/2015
Date Data Arrived at EDR: 05/07/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 6

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Varies

VENTURA COUNTY:

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: 01/27/2015
Date Data Arrived at EDR: 02/19/2015
Date Made Active in Reports: 03/03/2015
Number of Days to Update: 12

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

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: 04/02/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Annually

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: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

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: 04/27/2015
Date Data Arrived at EDR: 04/29/2015
Date Made Active in Reports: 05/13/2015
Number of Days to Update: 14

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/27/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 03/18/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 8

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/18/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Quarterly

YOLO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 03/26/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 04/01/2015	Telephone: 530-666-8646
Date Made Active in Reports: 04/13/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/17/2015	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/19/2015	Telephone: 530-749-7523
Date Made Active in Reports: 03/03/2015	Last EDR Contact: 05/04/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 08/17/2015
	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: 07/30/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 08/19/2013	Telephone: 860-424-3375
Date Made Active in Reports: 10/03/2013	Last EDR Contact: 11/17/2014
Number of Days to Update: 45	Next Scheduled EDR Contact: 03/02/2015
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/14/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Annually

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: 01/01/2015	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 02/04/2015	Telephone: 518-402-8651
Date Made Active in Reports: 02/27/2015	Last EDR Contact: 05/06/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

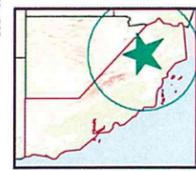
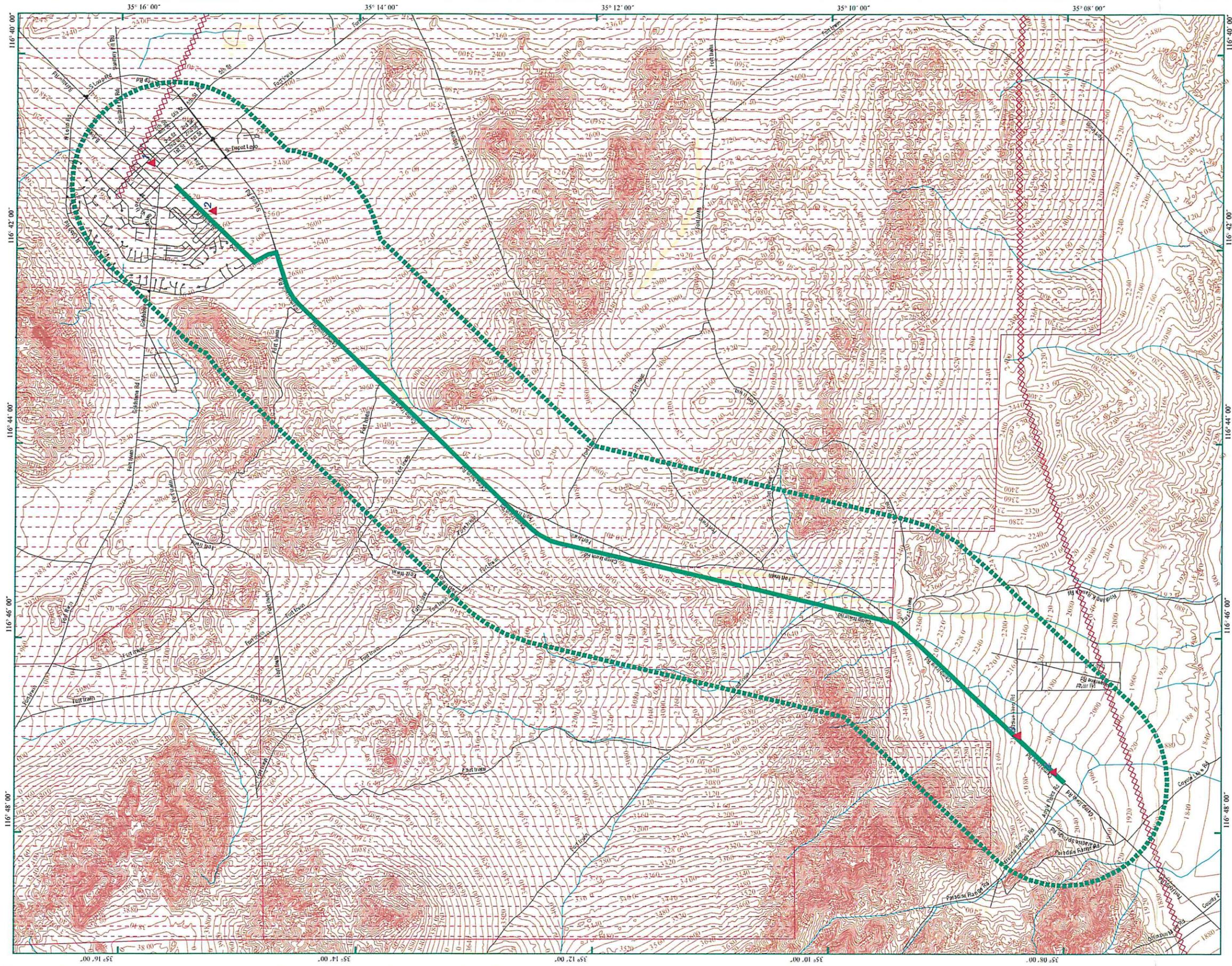
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

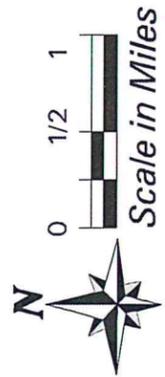
California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Fort Irwin, CA



Scale in Miles

EDR DataMap® - Corridor Study

Verizon Ft. Irwin



EDR Environmental
Data Resources Inc

-  Listed Sites
-  Earthquake Epicenters (Richter 5 or greater)
-  Search Boundary
-  Roads
-  Major Roads
-  Waterways
-  Railroads
-  Contour Lines
-  Pipelines
-  Fault Lines
-  Water
-  Superfund Sites
-  Federal DOD Sites
-  Indian Reservations BIA
-  National Wetland Inventory

Verizon-Ft. Irwin

Fort Irwin Army Base
Fort Irwin, CA 92310

Inquiry Number: 4294394.2
May 21, 2015

USGS Large Site

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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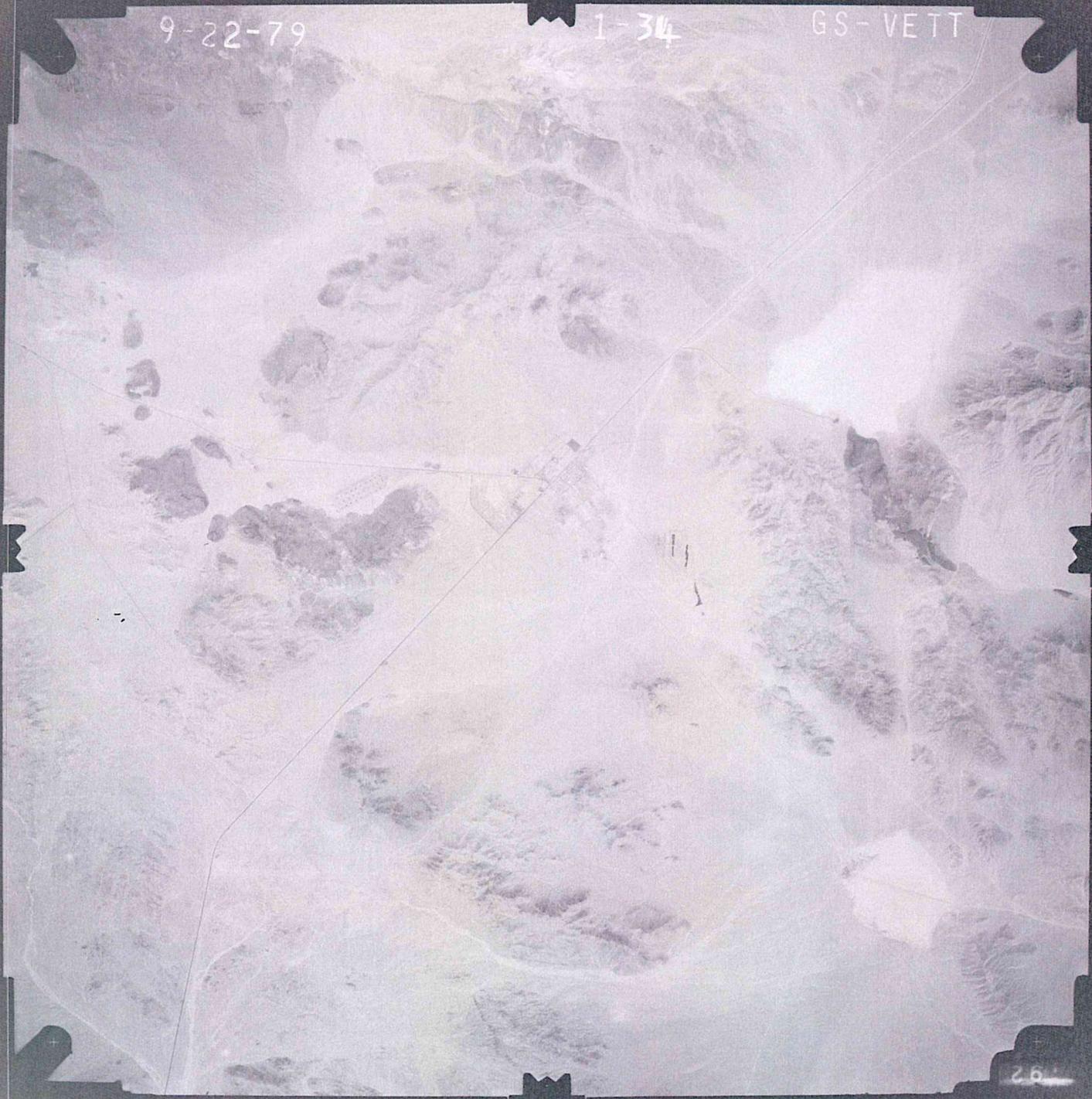
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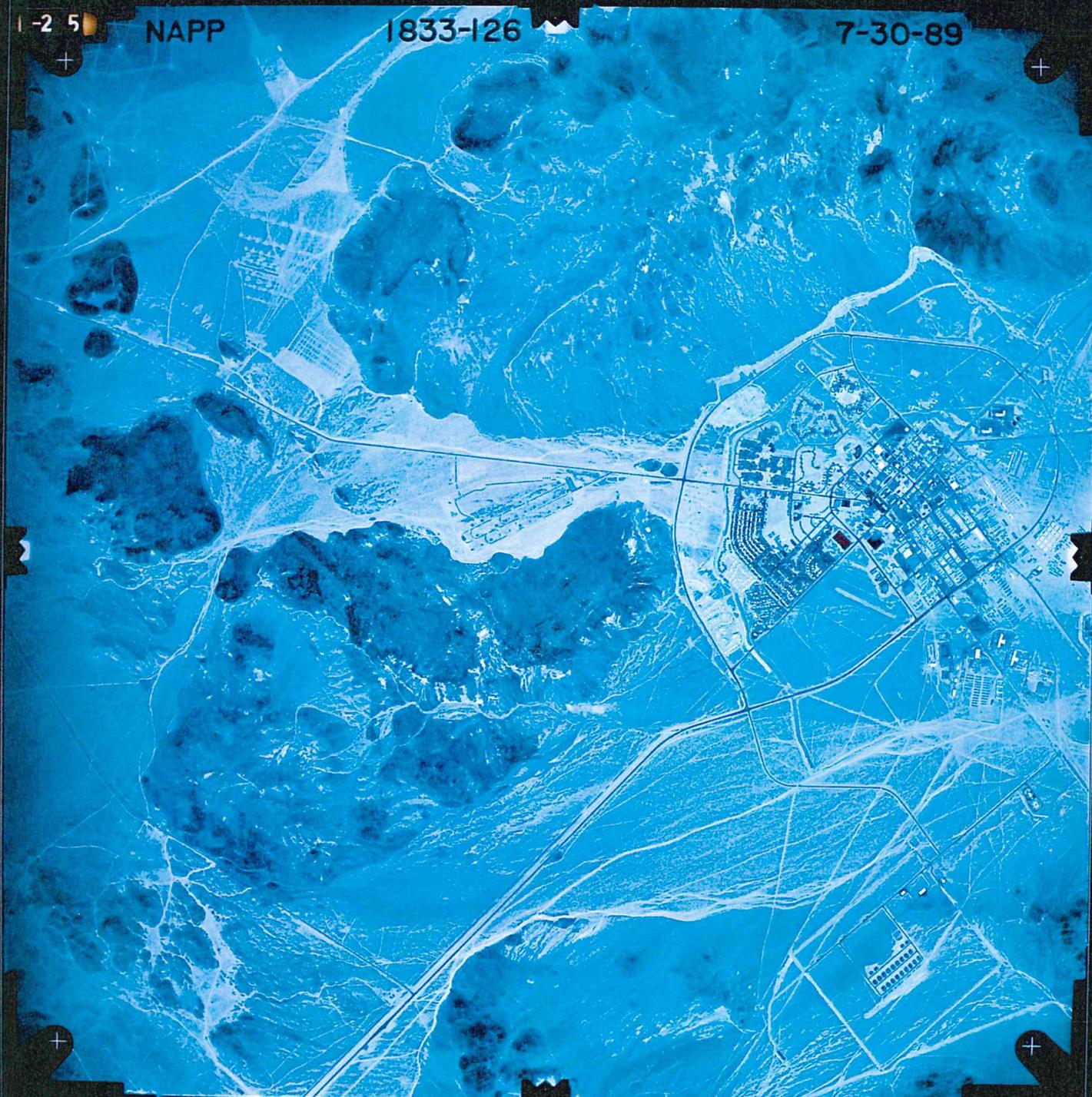
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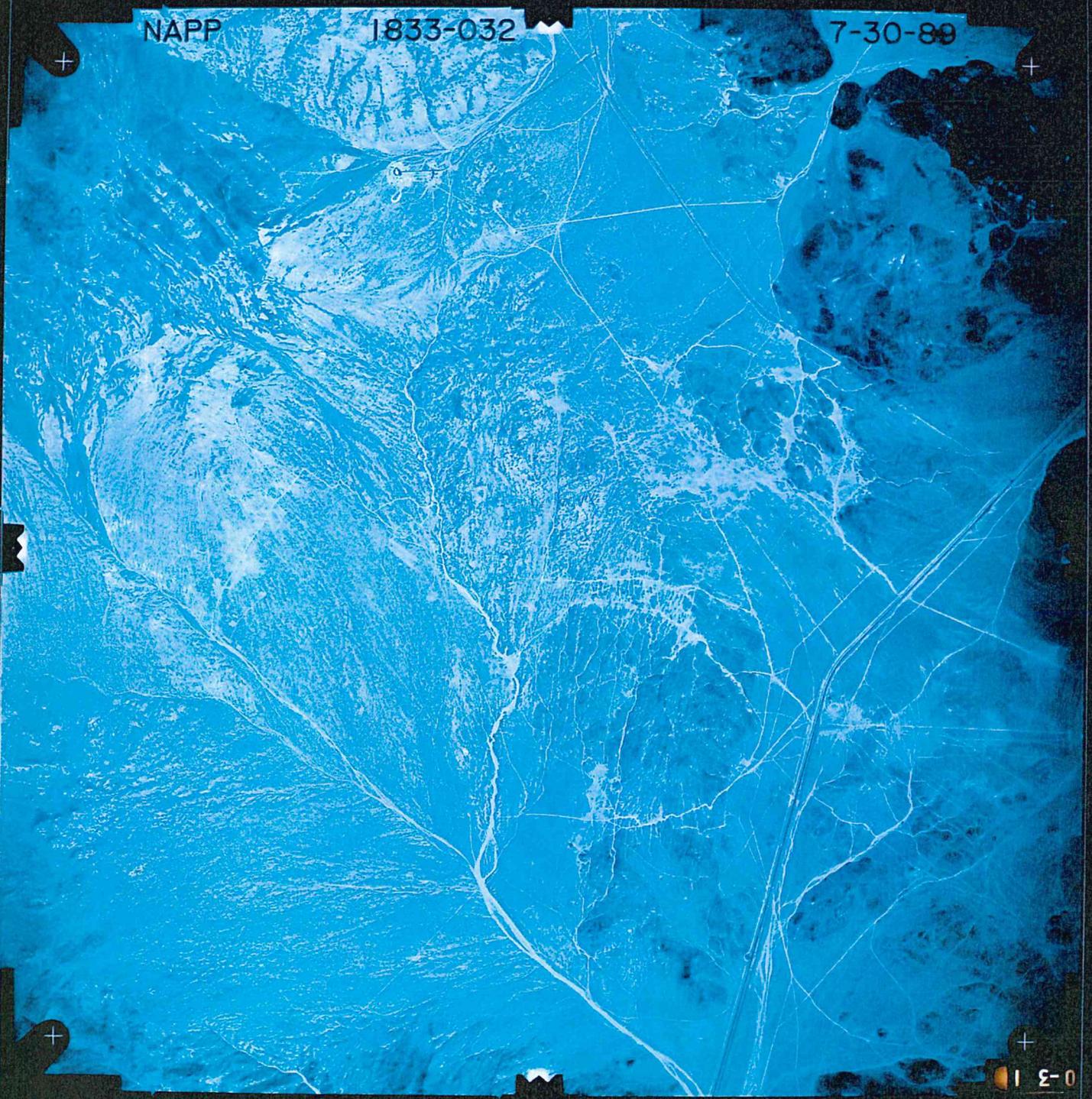


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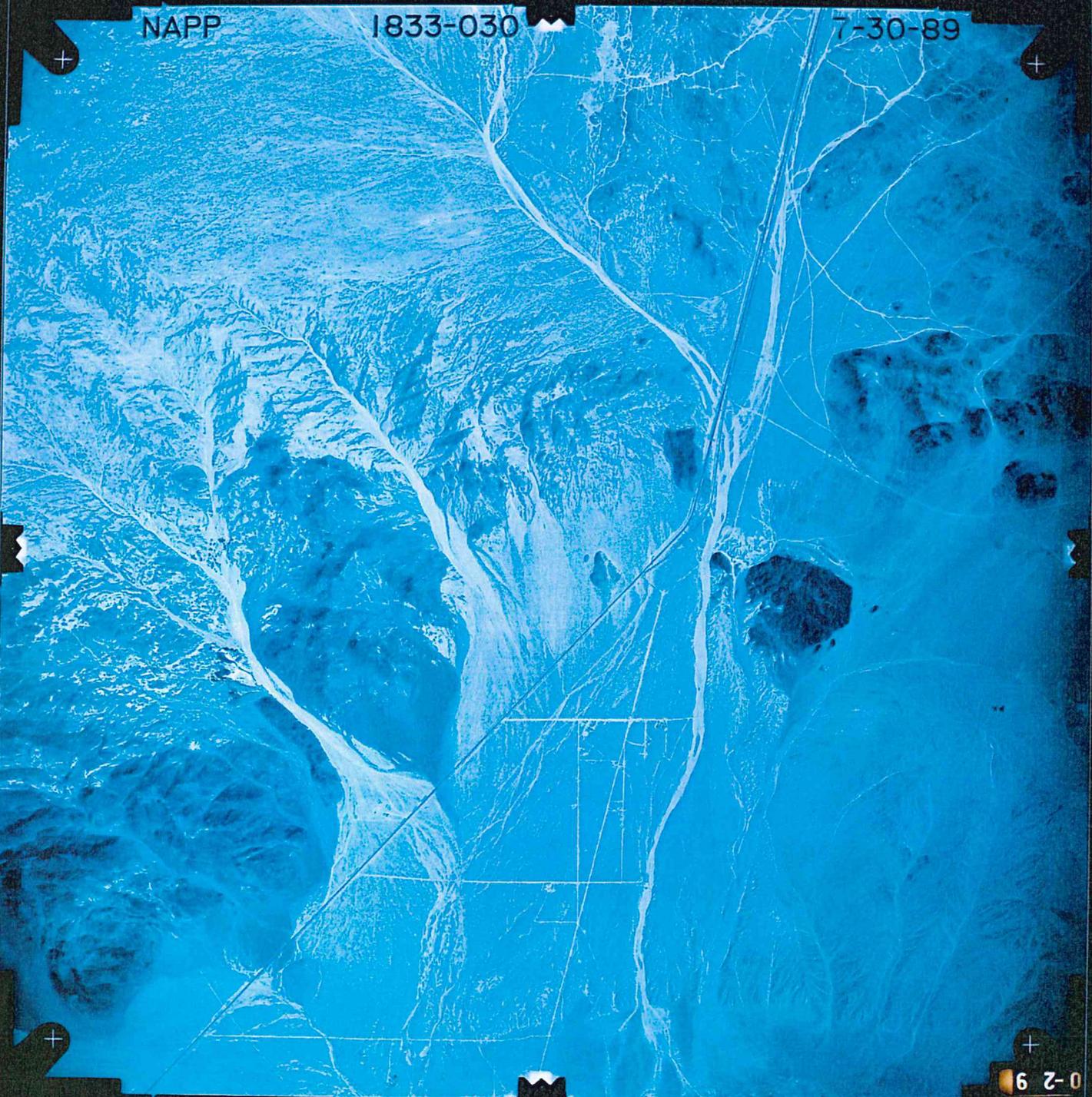
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Verizon-Ft. Irwin

Fort Irwin Army Base
Fort Irwin, CA 92310

Inquiry Number: 4293110.5
May 15, 2015

The EDR-City Directory Image Report

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
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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 city directory data at 5 year intervals.

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>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2000	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
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1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1990	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1985	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

RECORD SOURCES

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FINDINGS

TARGET PROPERTY STREET

Fort Irwin Army Base
Fort Irwin, CA 92310

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

BARSTOW RD

2013	pg A1	Cole Information Services	
2010	pg A2	Haines Criss-Cross Directory	
2008	pg A3	Cole Information Services	
2005	pg A4	Haines Criss-Cross Directory	
2003	pg A5	Cole Information Services	
2000	-	Haines Criss-Cross Directory	Street not listed in Source
1999	pg A6	Cole Information Services	
1995	-	Haines Criss-Cross Directory	Street not listed in Source
1995	pg A7	Cole Information Services	
1992	pg A9	Cole Information Services	
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

S BARSTOW RD

1995	pg A8	Cole Information Services
------	-------	---------------------------

FINDINGS

CROSS STREETS

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
<u>OUTER LOOP RD</u>			
2013	-	Cole Information Services	Street not listed in Source
2010	-	Haines Criss-Cross Directory	Street not listed in Source
2008	-	Cole Information Services	Street not listed in Source
2005	-	Haines Criss-Cross Directory	Street not listed in Source
2003	-	Cole Information Services	Street not listed in Source
2000	-	Haines Criss-Cross Directory	Street not listed in Source
1999	-	Cole Information Services	Street not listed in Source
1995	-	Cole Information Services	Street not listed in Source
1995	-	Haines Criss-Cross Directory	Street not listed in Source
1992	-	Cole Information Services	Street not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images



-

BARSTOW RD 2013

1	BARSTOW FLORIST DIRECTORY GNC
11	GREAT PLAINS ENTERPRISES
25	MDU COMMUNICATIONS
29	CALIBRE SYSTEMS INC
54	JEREMY SMITH
57	SEAN BOLAND
59	JEFFREY TEBO
60	EDWIN BELGRADE TIMOTHY PINARD
531	OCCUPANT UNKNOWN
541	BRIAN LENZMEIER JASON BURNS
542	OCCUPANT UNKNOWN
551	OCCUPANT UNKNOWN
561	OCCUPANT UNKNOWN
562	OCCUPANT UNKNOWN
571	JAIR MOREHOUSE OCCUPANT UNKNOWN
572	BRANDON KOOPMAN OCCUPANT UNKNOWN
582	OCCUPANT UNKNOWN
591	ANGELA BUNTYN KATHY GURROLA
592	OCCUPANT UNKNOWN
601	LONNIE WILLIAMS MALAETASI TOGAFU OCCUPANT UNKNOWN
602	OCCUPANT UNKNOWN
611	OCCUPANT UNKNOWN
612	OCCUPANT UNKNOWN
6227	VERSAR INC
8000	AARON ALSTON BRANDON THOMSON
8002	JON RETTMANN
8004	AMY DAVIS TERRY HITCHICK
8006	KRIS WILSON
8008	DEAN ROMAHER
8012	RONALD CROTEAU
8014	JASON WAGGONER MARCUS ESPINOSA
8016	BRADLEY VAUGHN
8018	ALEXIS REDBROOK



-

BARSTOW RD 2010

BARSTOW RD (03)
92310 FORT IRWIN

WEALTH CODE 1.0

1	♣	WILLIAMSON Joshua	760-386-9367	6
11	♣ ★	GREAT PLAINS ENTERPRISES	760-386-4755	3
12	♣ ★	R CUBED CONSTRUCTION	760-386-1115	8
25	♣ ★	MDU COMMUNICATIONS	760-386-2158	8
53	♣	PENA Lazaro	760-386-3373	+0
56	♣	PLUARD Benjamin	760-386-7566	+0
	♣	STARR Christopher S	760-386-2394	+0
58	♣	YORK Sean	760-386-9156	+0
61	♣	VELASQUEZ Selvin	760-386-9717	+0
8004		DAVIS Donel	760-386-0919	8
		MAHONEY Robert	760-386-0212	+0
8006	♣	WILSON Kris	760-386-8351	+0
8012	♣	GISCLAIR James	760-386-7973	8
8016		FORNILLOS G	760-386-4524	+0
8018	♣	COOPER Socorro	760-386-0635	8
9000	★	TESTING ENGNRNGS-SN DGO INC	760-386-9193	6
9005	★	CA MILITARY COMMUNIT	760-386-4230	+0

★ 5 BUS 12 RES 9 NEW



-

BARSTOW RD 2008

1	JOSHUA WILLIAMSON
11	GREAT PLAINS ENTERPRISES
28	RICHARD BASSETT
29	CHESTER LOHMAN
50	JEROME FINK
98	OH KWON
99	FRANK RAGLER
904	JONATHAN GARRETT
8000	G S IMAGING & FRAMING
	JONATHAN VELISHKA
	LETICIA PETERSON
	OCCUPANT UNKNOWN
8002	MARY MAUNTEL
	OCCUPANT UNKNOWN
	SETH HENSON
8004	DONEL DAVIS
8006	CARRIE DIAZ
	GREGORY MCBRIDE
	JENNY TSAI
	OCCUPANT UNKNOWN
8010	BENJAMIN LEAVITT
	THOMAS GORDON
8012	CAROLYN BOULDIN
	OCCUPANT UNKNOWN
8014	ANDREA PETERS
	ANDREA TAYLOR
	OCCUPANT UNKNOWN
8018	CHARLES VAN-OTTEN
	CHRISTOPHER VITATOE



-

BARSTOW RD 2005

BARSTOW RD (03)
92310 FORT IRWIN

WEALTH CODE 1

1	WILLIAMSON Joshua	760-386-9367	4
11	★ GREAT PLAINS ENTERPRISES	760-386-4755	3
29	★ VANGUARD CONSTRUCTION	760-386-4939	+5
99	RAGLER Frank	760-386-4447	4
NO #	★ TESTING ENGNRNGS-SN DGO INC	760-386-9193	+5
★ 3	BUS	2 RES	2 NEW

Target Street

Cross Street

Source

✓

-

Cole Information Services

BARSTOW RD 2003

2	PAT PETKO
11	GREAT PLAINS ENTERPRISES
28	RICHARD BASSETT
175	DANIEL ROMERO
900	RYAN ELLIS



-

BARSTOW RD 1999

1	JOSHUA WILLIAMSON
29	CHESTER LOHMAN
54	DWAYNE CRUDUP
60	LONNIE WILLIAMS
98	OH KWON
99	FRANK RAGLER
516	RONALD PASCUA
8000	MIKE THOMPSON
8002	ALVIN BUNIAG
	SETH HENSON
8004	DONEL DAVIS
8006	AUDREY MILLER
8008	MICHAEL RITTER
8010	THOMAS GORDON
8012	CAROLYN BOULDIN
	JAMES GISCLAIR
8014	ANDREA PETERS
	ANDREA TAYLOR
8018	CHRISTOPHER VITATOE
	SOCORRO COOPER

Target Street

Cross Street

Source

✓

-

Cole Information Services

BARSTOW RD 1995

72 LEA, R A

Target Street

Cross Street

Source

✓

-

Cole Information Services

S BARSTOW RD 1995

225 CONGRESSMAN, LEWIS J

Target Street

✓

Cross Street

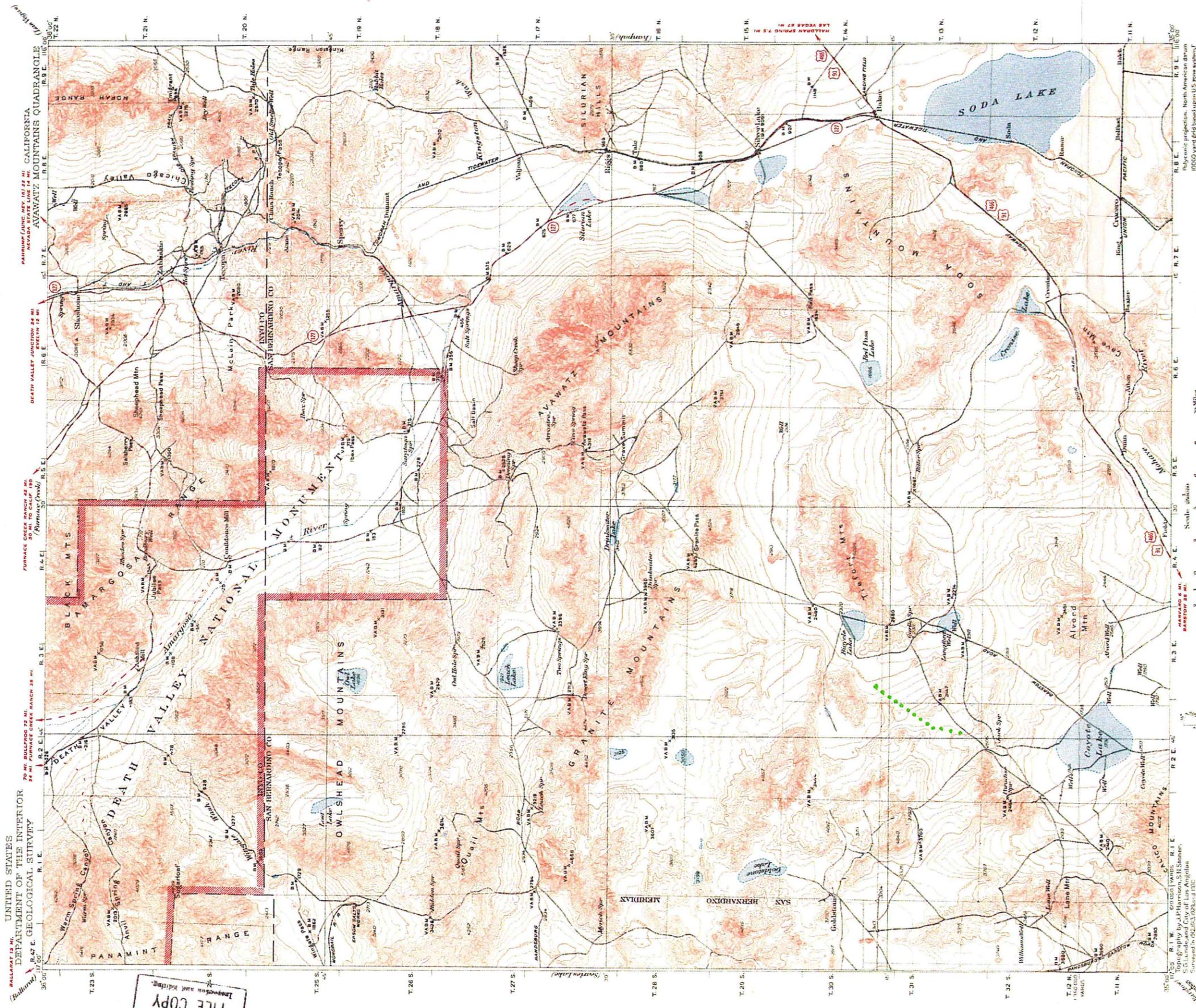
-

Source

Cole Information Services

BARSTOW RD 1992

72 VICKERS, HAROLD F



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF GEOLOGICAL SURVEY

CALIFORNIA
AVAWATZ MOUNTAINS QUADRANGLE

U.S.G.S.
FILE COPY
Imposition and Editing

MAPS SURFACE ALL WITH
Hills, 500' - 1000' - 1500' - 2000' - 2500' - 3000' - 3500' - 4000' - 4500' - 5000' - 5500' - 6000' - 6500' - 7000' - 7500' - 8000' - 8500' - 9000' - 9500' - 10000'

Scale: 1:50,000
Contour interval 100 feet
Datum: to mean sea level

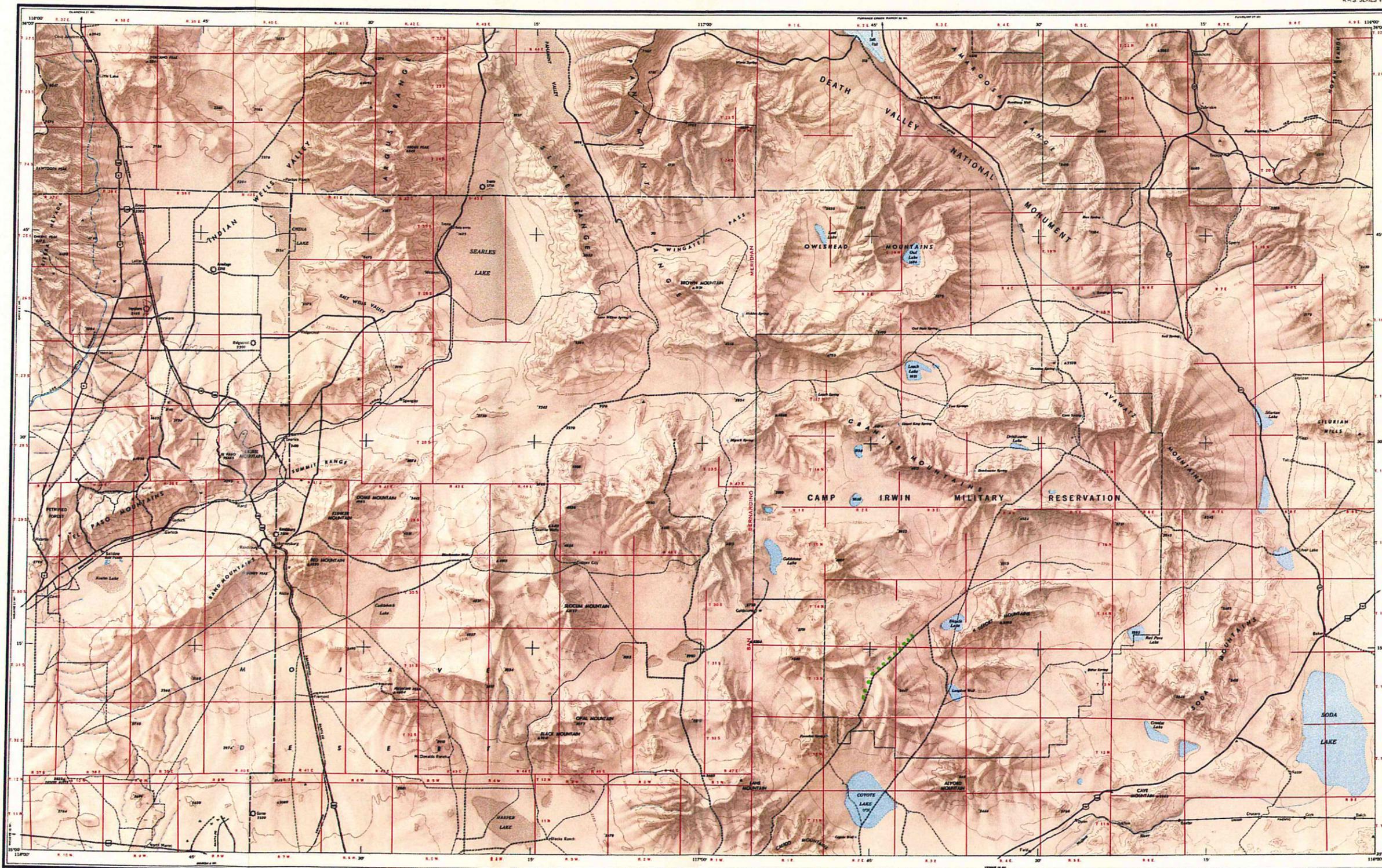
USGS
Historical File
Topographic Division
U.S.G.S.
FILE COPY
Imposition and Editing

AVAWATZ MOUNTAINS, CALIF.
Published 1933
Revised 1950

1933

MAR 13 1950

5390



A.M.S. V502
Type I (and II) 1947.

Present under the direction of the Chief of Engineers for the Army, West Service (AM), Corps of Engineers, Department of the Army, Washington, D. C. Compiled in 1947 from United States Quadrangle 1:25,000 and 1:50,000 Corps of Engineers and U.S. Geologic Survey, 1915-1943, County Highway Maps, 1937-1941, Statistical Data to 1946. Woodblock cartography, revision from aerial photography dated 1942-1945. Aerial photography by U. S. Air Force. Road classifications, verified by State Highway Department, 1947. Contour by U. S. Coast and Geodetic Survey.

LEGEND

ROAD DATA 1947

POPULATED PLACES

BOUNDARIES

RAILROADS

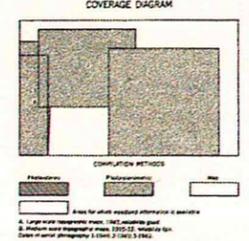
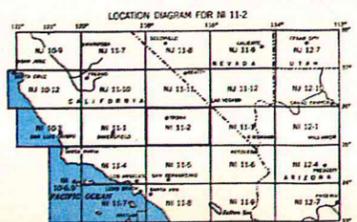
INDEX TO BOUNDARIES

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36



FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER FEDERAL CENTER, DENVER, COLORADO, OR WASHINGTON 25, D. C.



1947

TRONA, UNITED STATES
CALIFORNIA
N3500-W11600/100-200

FILE

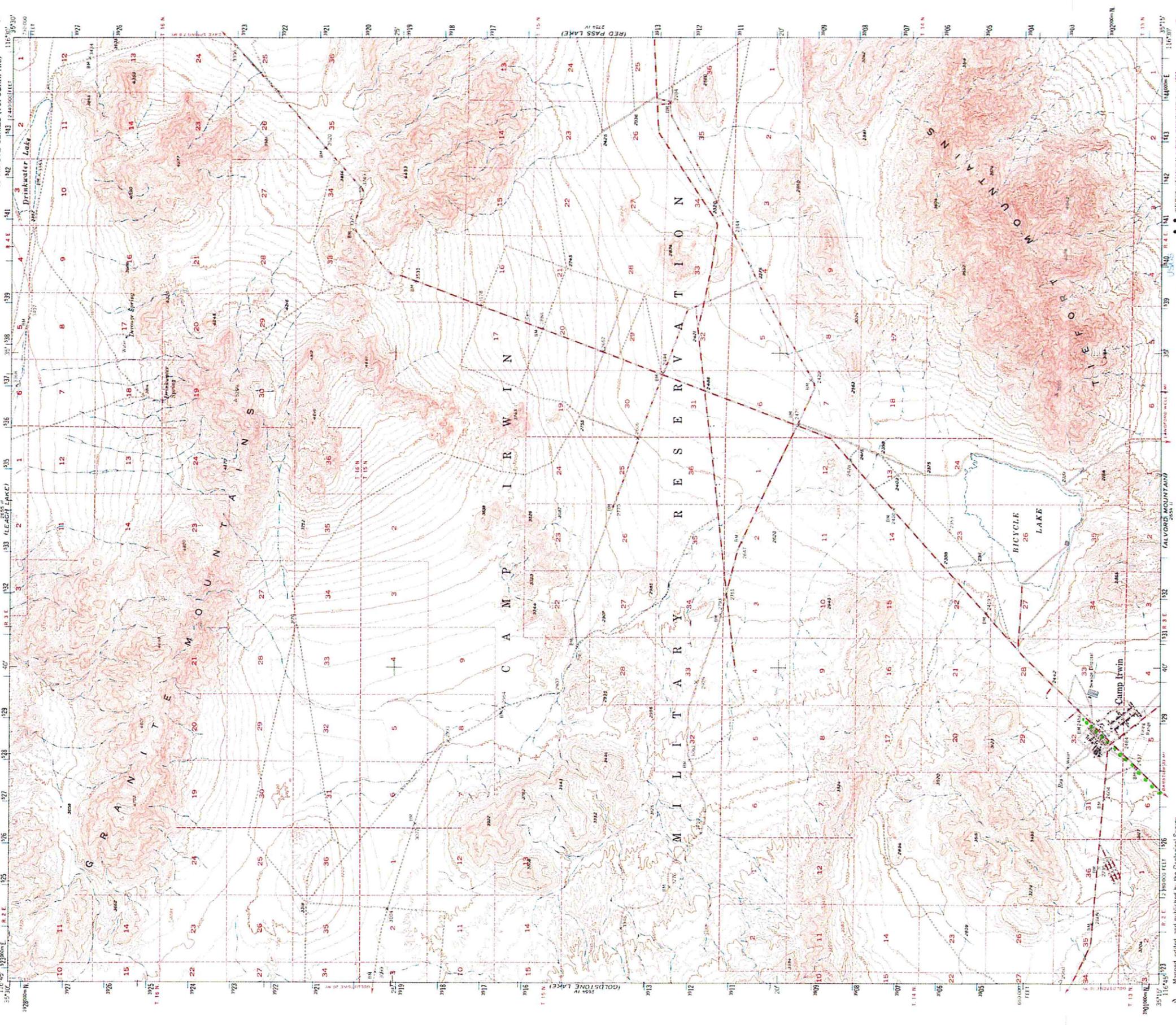
FILE

LAKE MOUNTAIN (200' CONTOUR INTERVAL)
LAKE MOUNTAIN (200' CONTOUR INTERVAL)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

TIEFORT MOUNTAINS QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO.
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USCGS and USGS
Topography from aerial photographs by multiple methods
Aerial photograph taken 1948. Field check 1948
Proyction 1927 North American datum
10,000-foot grid based on California coordinate system,
Zone 5
Dashed lines indicate approximate location
Unchecked elevations are shown in brown
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue

SCALE 1:62,500
CONTOUR INTERVAL 40 FEET
DRAWM TO MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy duty
Medium duty
Light duty
Unimproved dirt
U.S. Route
State Route

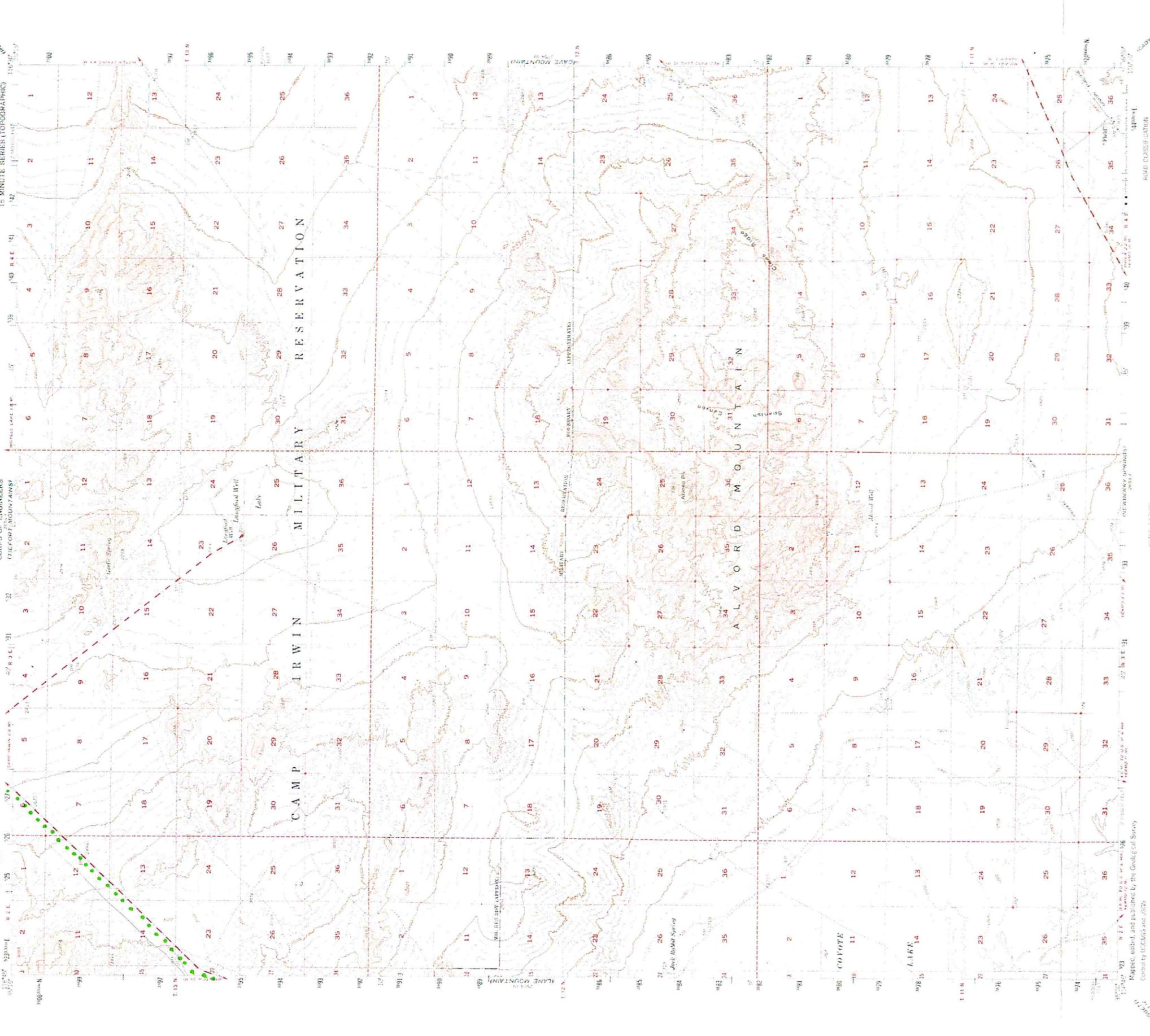
U.S.G.S.
TOPOGRAPHIC DIVISION

TIEFORT MOUNTAINS, CALIF.
N 3515-W 11600/15

1948
AMS 2654 I-SERIES V795

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
UNITED STATES DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
ALVORD MOUNTAIN QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO
15 MINUTE SERIES (TOPOGRAPHIC)



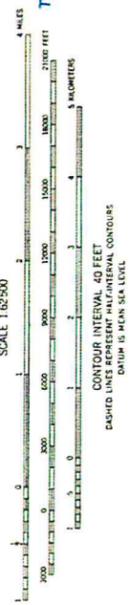
UNITED STATES DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
UNITED STATES DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
ALVORD MOUNTAIN CALIF.
1948
1:62,500
SCALE 1:62,500
CONTOUR INTERVAL 40 FEET
LARGE SCALE - 1:62,500 (53) AND 1:125,000 (53)
NATIONAL GEODETIC VERSION, DATED IN 1979

Geological Survey
Topographic Division
Historical File
1948
2106
FEB 3 1981

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
(GOLDSTONE LAKE) R. 11 E.

LANE MOUNTAIN QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO.
15 MINUTE SERIES (TOPOGRAPHIC)



USGS
Historical File
Topographic Division
U.S.G.S.

FILE COPY
TOPOGRAPHIC DIVISION

LANE MOUNTAIN, CALIF.
1:50,000 (1869/75)

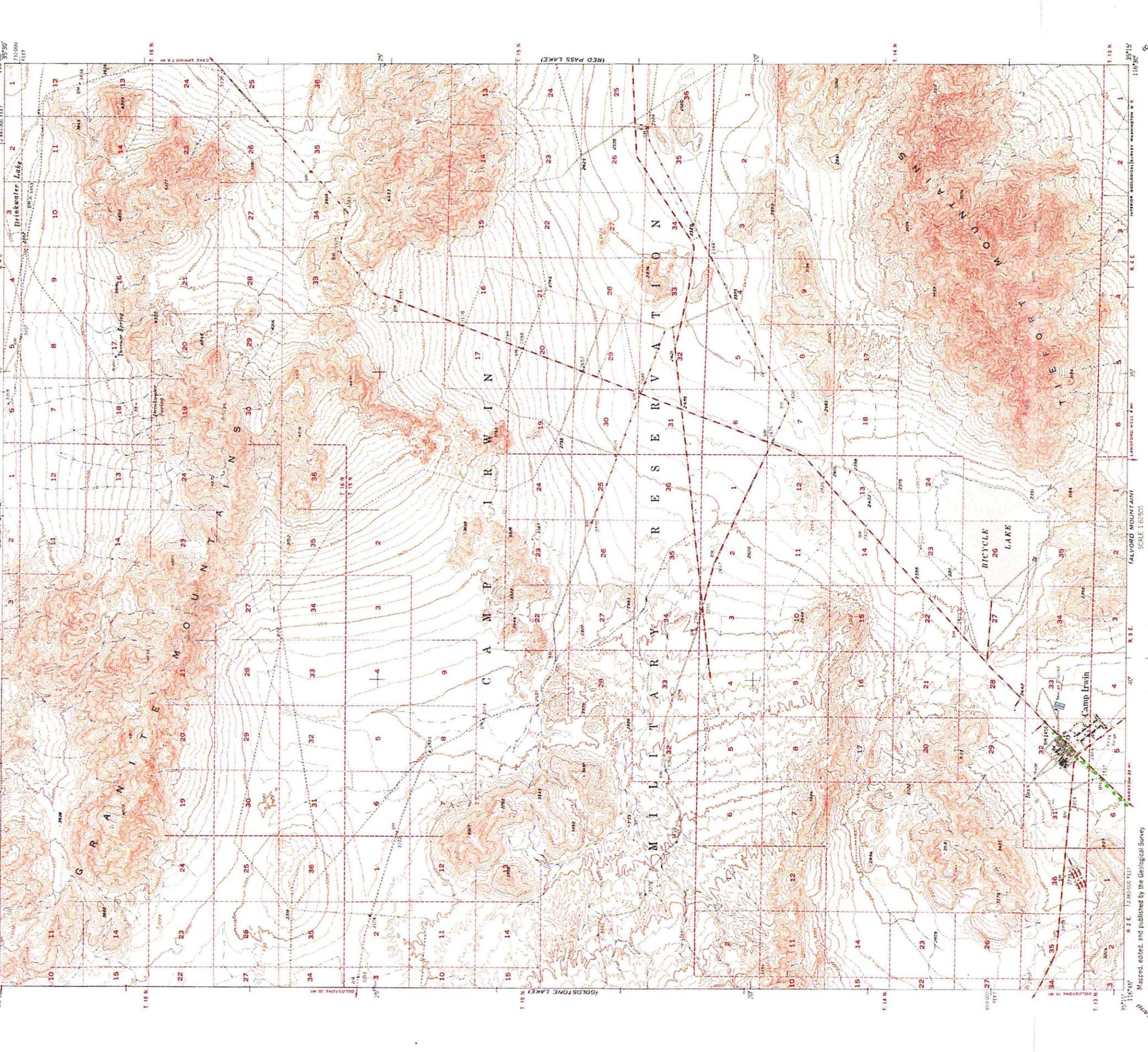
1948

2455

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 2, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Control by USGS and USGS
Mapped, edited, and published by the Geological Survey
Geography from aerial photographs by multiple methods
Map projection: Universal Transverse Mercator
Datum: North American 1927
Scale: 1:50,000
10,000 foot grid based on California coordinate system, zone 5
Dashed lines indicate approximate location
Unchecked elevations are shown in brown
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
UNITED STATES DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
TIEFORT MOUNTAINS QUADRANGLE CALIFORNIA-SAN BERNARDINO CO. 15 MINUTE SERIES (TOPOGRAPHIC)



Mapred, edited, and published by the Geological Survey
Control by USCGS and USGS
Topography from aerial photographs by multiple methods
Aerial photographs taken 1948. Fair check 1948
Photometric projection, 1927 North American datum
10,000-foot grid based on California coordinate system,
zone 5
Dashed land lines indicate approximate location
Unchecked elevations are shown in brown

FOR SALE BY U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1951
TIEFORT MOUNTAINS, CALIF.
N 3515-W 163015
EDITION OF 1951
SEP 17 1951
3210

FILE COPY
Inspection and Rating

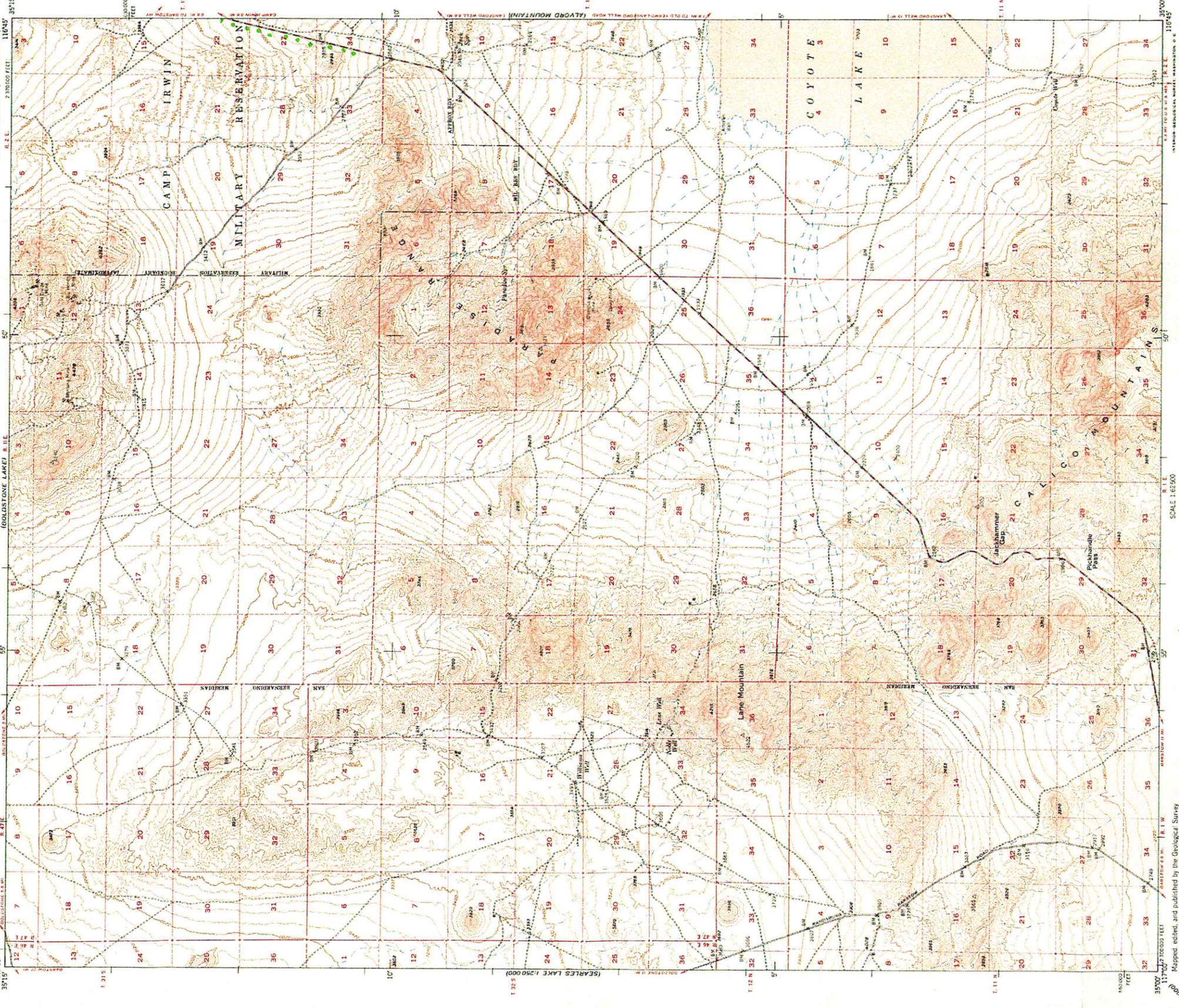
SCALE 1:62500
CONTOUR INTERVAL 30 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy-duty Light-duty
Medium-duty Unimproved dirt
U.S. Route State Route

ROAD CLASSIFICATION
Heavy-duty Light-duty
Medium-duty Unimproved dirt
U.S. Route State Route

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
UNITED STATES DEPARTMENT OF THE ARMY CORPS OF ENGINEERS (GOLDSTONE LAKE) R. I. E.
LANE MOUNTAIN QUADRANGLE CALIFORNIA-SAN BERNARDINO CO. 15 MINUTE SERIES (TOPOGRAPHIC) (TOPOGRAFIC)

U.S.G.S. FILE COPY
Reproduction and Printing



Maped, edited, and published by the Geological Survey
Control by USCGS and USGS
Topography from aerial photographs by multiple methods
Aerial photographs taken 1948. Field check 1948
Polygonal projection. 1927 North American datum.
10,000 feet grid based on California coordinate system,
zone 5
Dashed line indicates approximate location
Unchecked elevations are shown in brown

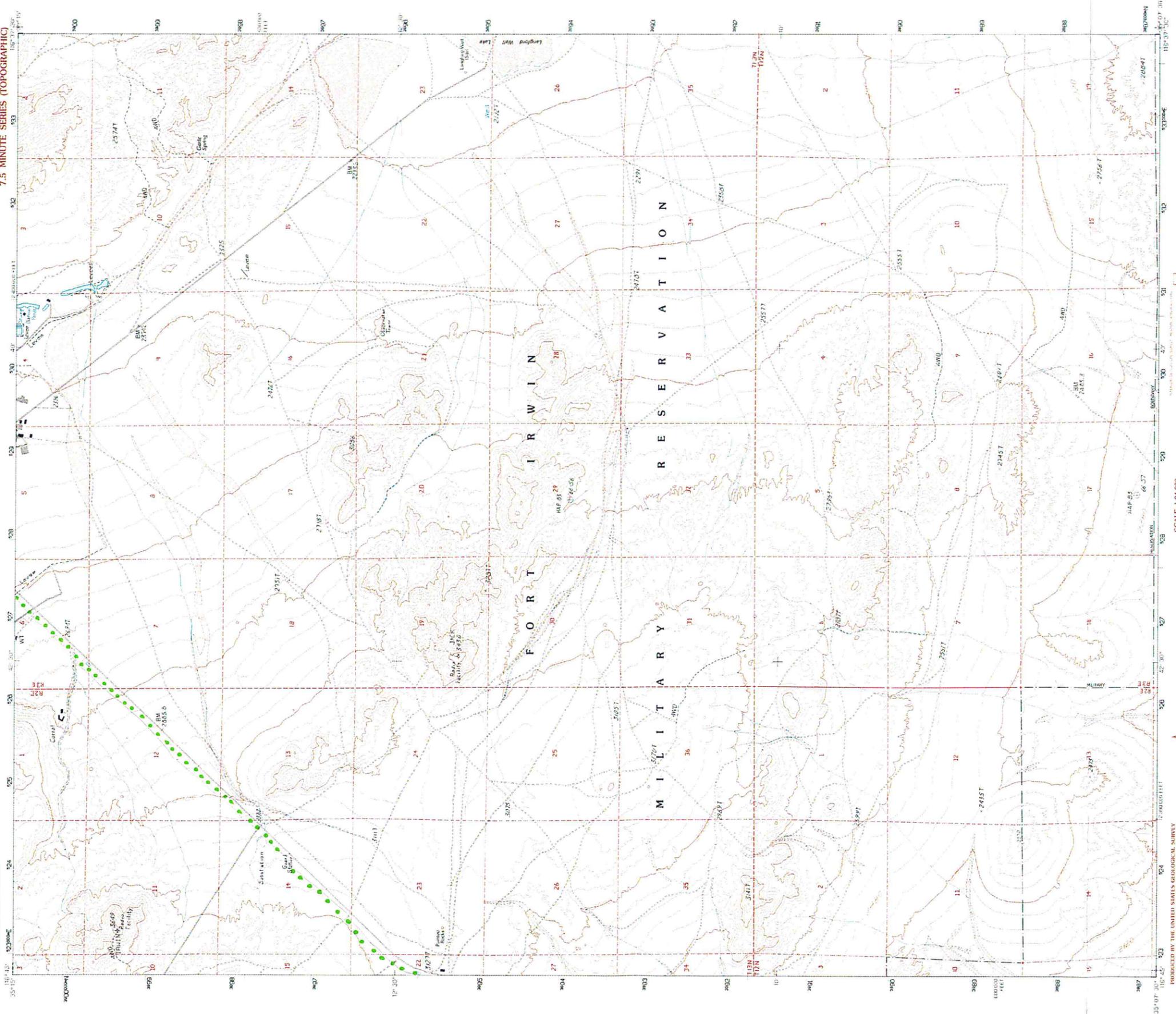
FOR SALE BY U.S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division
FILE COPY
Reproduction and Printing

LANE MOUNTAIN, CALIF.
EDITION OF 1951
1951
AUG 1 1951 2670

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LANGFORD WELL QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONFORM TO THE NATIONAL MAP ACTUACY STANDARDS
THIS MAP COMPLETES WITH NATIONAL MAP ACTUACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, BENTON, COLORADO 80525, OR REGIONAL OFFICES
35116 (6/6) (1/84)

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
photography.



GENERALIZATION

1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

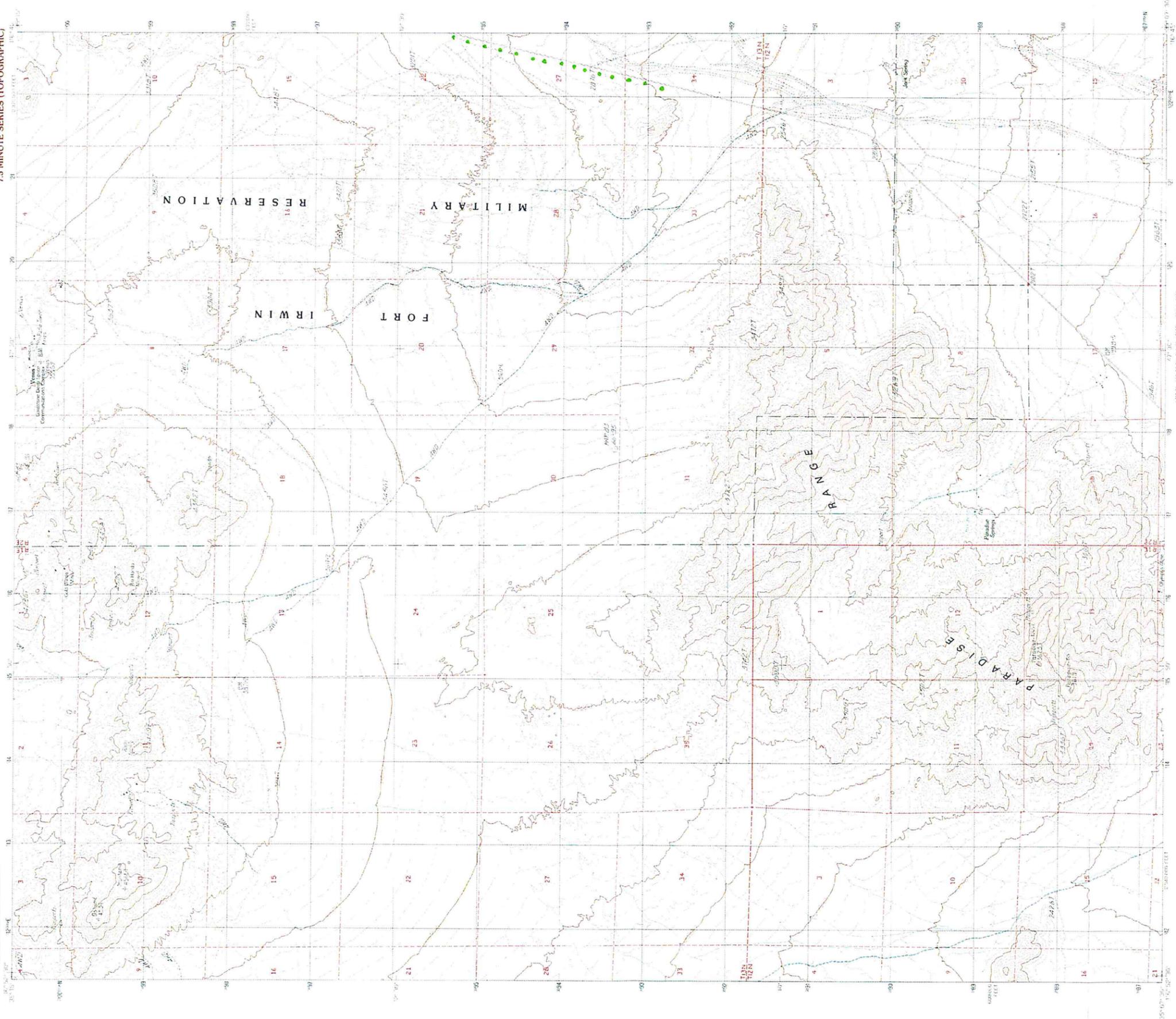
ADDITIONAL GENERALIZATION TABLES

ROAD LEGEND
Improved Road
Unimproved Road
Trail
Interstate Route
U.S. Route
State Route

1986
LANGFORD WELL, CA
PROVISIONAL EDITION 1986

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PARADISE RANGE QUADRANGLE,
CALIFORNIA—SAN BERNARDINO CO.,
7.5-MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN
AUGUST 1955
FIELD CHECKED..... 1951, 1957, 1958
EDITED..... 1958
GIVEN 100-METER UNIVERSAL TRANSVERSE MERCATOR
GRID COORDINATES..... 1927 NORTH AMERICAN DATUM
1983 DATUM
LOW-BAROMETRIC NORTH DECLINATION..... 1927 NORTH AMERICAN DATUM
To place the map on the preferred North American Datum of 1983,
the map must be shifted 17.5 centimeters (0.69 inches) east
and 1.5 centimeters (0.06 inches) north.
These maps are private inclusions within the boundaries of any
Federal and State Reservations shown on this map.
Information made available to the public, and other buildings
shown on this map, have not been established.

PROVISIONAL MAP
Produced from original
manuscript drawings. Infor-
mation shown as of date of
photography.

CONTOUR INTERVAL, 40 FEET
CONTOUR SPACING, 10 FEET
OTHER ELEVATIONS SHOWN TO THE NEAREST FOOT
Elevations shown in feet unless otherwise noted
Elevations in meters are shown in parentheses

U.S. GEOLOGICAL SURVEY
MAP ARCHIVES
AUG 31 1995
REC'D FILE COPY



1	2	3
4	5	6
7	8	9

ADDITIONAL SYMBOLS:
1. Building
2. Well
3. Dam
4. Railroad
5. Power Line
6. Road
7. Bridge
8. Tunnel
9. Contour Line
10. Spot Elevation

ROAD LEGEND
Improved Road
Unimproved Road
Total
Interstate Route
U.S. Route
State Route

1986
PARADISE RANGE, CALIF.
PROVISIONAL EDITION 1986
3116-17-1P-024

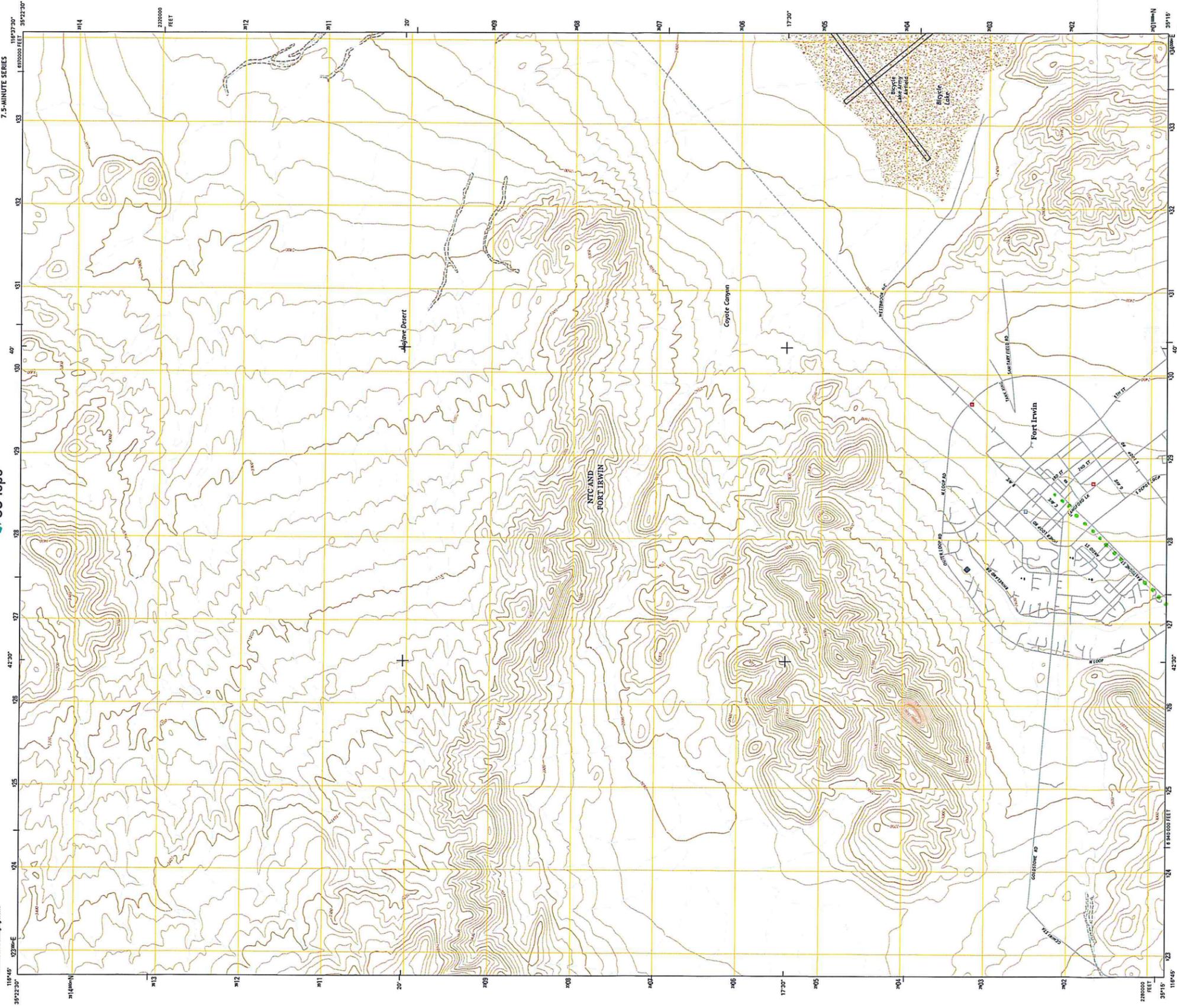




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

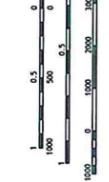
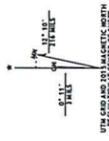


FORT IRWIN QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO.
7.5-MINUTE SERIES

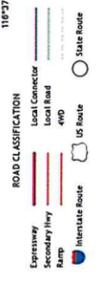


Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
Scale: 1:24,000
1:24,000 (1 inch = 2000 feet)
1:24,000 (1 centimeter = 300 meters)
The map is not a legal document. Boundaries may be shown for information only and are not to be used for legal purposes. Obtain permission before entering private lands.

Boundary: 2014
Name: 2015
Contour: 2015
Public Land Survey: 2015



SCALE: 1:24,000
0 500 1000 1500 2000
0 500 1000 1500 2000
0 500 1000 1500 2000



ADDITIONAL FEATURES

1	2	3
4	5	6
7	8	9

1. West of Lake
2. West of Lake
3. West of Lake
4. Paradise Flange
5. Paradise Flange
6. Paradise Flange
7. East of Lake
8. East of Lake
9. East of Lake

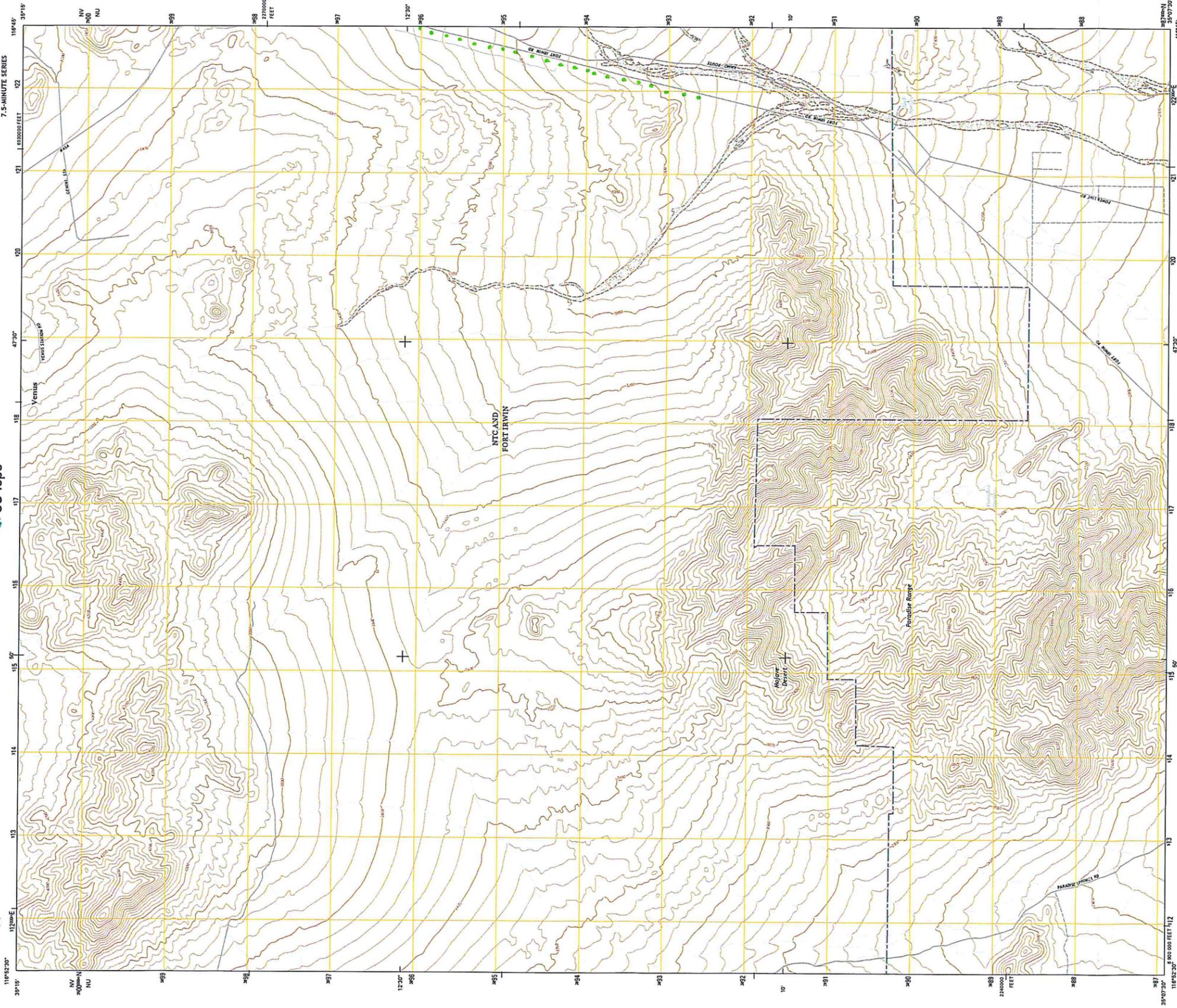
2015
FORT IRWIN, CA
2015



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

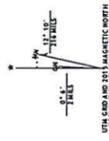


PARADISE RANGE QUADRANGLE
CALIFORNIA-SAN BERNARDINO CO.
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
Map scale: 1:24,000
1:24,000 feet scale: California Coordinate System of 1983 (Zone 5)
This map is not a legal document. Boundaries may be
inaccurate. Multiple sources are used. Data were obtained from
various sources. The U.S. Geological Survey does not warrant
accuracy, completeness, or timeliness of the data.

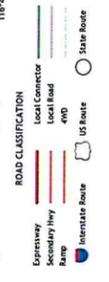
Map Date: 2015
Map Name: Paradise Range
Map Scale: 1:24,000
Map Series: 7.5-Minute Series
Map Sheet: 112
Map Date: 2015
Map Name: Paradise Range
Map Scale: 1:24,000
Map Series: 7.5-Minute Series
Map Sheet: 112



U.S. Standard Code
Vertical datum: NAVD83
Horizontal datum: NAD83
Coordinate system: UTM
Zone: 5N



CONTOUR INTERVAL: 40 FEET
NORTH AMERICAN DATUM OF 1983
The map was produced to conform with the
National Map Accuracy Standards (NMAS).
A metadata file associated with this product is available at:
http://www.usgs.gov/metadata/



ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Interstate Route
US Route
State Route

ADDITIONAL QUADRANGLES

1	2	3	4
5	6	7	8

2015
PARADISE RANGE, CA
2015

APPENDIX D

INTERVIEWS

PHASE I CLIENT QUESTIONNAIRE

The purpose of this questionnaire is to obtain information from the client regarding the Property.

Date Sent to Client May 18, 2015

Date Received from Client 5/19/15

A. SITE INFORMATION

1. Property Name: Verizon-Ft. Irwin Fiber Project, Ft. Irwin, San Bernardino County, CA
2. Location (If a map is available, please include it): Ft. Irwin Road, from 5.2 miles south of Visitor Center, Visitor Center north 4.9 miles to Outer Loop Rd., west to Barstow Rd., north to Inter Loop Rd.
3. Why is the Phase I required? (Development as a residential parcel, protection from CERCLA liability, etc?): identification of hazards for NEPA process for fiber optic line
4. Is there an Interview Contact for this job? (A current owner, operator, or someone with knowledge of the history and/or processes occurring at the site). Yes No

If yes, please provide the following information:

Person to be interviewed: Justine Dishart
Title/Company: Fort Irwin Public Works
Phone number and/or email address: justine.e.dishart.civ@mail.mil

5. Do you have any reports for this job (such as previous Phase I's, biology reports, cultural resource reports, geotechnical reports, etc.) Yes No

If yes, please provide them for Petra to review. Date Received from Client _____

6. As part of our investigation, Petra contacts local agencies to obtain miscellaneous information about the project site such as previous investigations, zoning, and flood zone. Do you have any current restrictions regarding Petra contacting these agencies? Yes No

If yes, please contact us to discuss further.

B. SITE ACCESS

1. Does Petra have access to the property at this time? Yes No
2. Are there any access restrictions such as a locked gate or required insurance forms? contact ECORP to arrange site access
3. Is there a site manager that Petra needs to contact prior to visiting the site? contact ECORP to arrange site access

C. LANDOWNER LIABILITY PROTECTIONS

In order to qualify for one of the Landowner Liability Protections offered by the Small Business liability Relief and Brownfields Revitalization of 2001 (the "Brownfields Amendments"), the client must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

1. Are you aware of any environmental clean-up liens against the property that are filed or recorded under federal, tribal, state, or local law? (40 CFR 312.25) Yes No

If no, have you or will you conduct a search for any environmental cleanup liens against the property that are filed or recorded in a registry? Yes No

If yes, please provide Petra with this information. _____

If no, do you require Petra to complete this task? Yes No *not sure this is applicable*

2. Are you aware of any activity and land use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place on or for the site and/or have been filed or that environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? (40 CFR 312.25) Yes No

If no, have you or will you conduct a search for any AULs against the property that are filed or recorded in a registry? Yes No

If yes, please provide Petra with this information. _____

If no, do you require Petra to complete this task? Yes No *not sure this is applicable*

3. As the user of this Environmental Site Assessment, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the potential chemicals and processes used by this type of business? Yes No

If yes, please provide Petra with this information. _____

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4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? Yes No *N/A*

If you conclude that there is a difference, have you considered whether the lower purchase price is because of any environmental concerns are known or believed to be present at the property?

Yes No *N/A*

If yes, please provide Petra with that information. _____

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of hazardous materials/chemical releases or threatened releases? For example,

- A. Do you know the past uses of the property? Yes No

If yes, please provide Petra with the information. _____

- B. Do you know of specific chemicals that are present or once were present at the property?

Yes No

If yes, please provide Petra with the information. _____

- C. Do you know of spills or other chemical releases that have taken place at the property?

Yes No

If yes, please provide Petra with the information. _____

- D. Do you know of any environmental cleanups that have taken place at the property or adjacent properties?

Yes No

If yes, please provide Petra with the information. _____

6. As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

Yes No

If yes, please provide Petra with the information. _____

Client Representative:
(sign and print name)

Anne Sudzial
Anne Sudzial

Date: 5/19/15

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PHASE I INTERVIEW QUESTIONNAIRE

The purpose of this questionnaire is to obtain information from knowledgeable individuals regarding the Subject Site. This questionnaire will become part of the investigation report.

A. SITE INFORMATION

Project Number: 15-177
Property Name: Verizon-Ft. Irwin Fiber Project

Property Location: Ft. Irwin Road, Outer Loop Road, Barstow Road, Ft. Irwin, San Bernardino County, CA

B. INTERVIEW INFORMATION

Date/Time: _____
Interviewer: _____
Person Interviewed: _____
Title/Company: _____

In Person
 By Telephone, Number: _____
 By Facsimile, Number: _____
 Email: _____

1. What is your relationship to the property? _____

2. Do you have a good knowledge regarding the uses and physical characteristics of the property?
 Yes
 No If not, who does? _____ Phone Number: _____

3. Do you have a good knowledge regarding the activities/processes conducted at the property?
 Yes
 No If not, who does? _____ Phone Number: _____

C. PROPERTY INFORMATION

1. To the best of your knowledge, what are the current and past uses of the property? Please describe with approximate dates.

PHASE I INTERVIEW QUESTIONNAIRE

2. To your knowledge, are there:

Hazardous substances present on the site?

Yes No

Petroleum products present on the site?

Yes No

If the preceding items are present, are there indications of any of the following:

An existing release?

Yes No

A past release?

Yes No

A threat of their release?

Yes No

If yes to any of the above, please describe: _____

3. Are you aware of the presence of any of the following either currently or previously on the property or any nearby properties:

Potential Recognized Environmental Conditions	Site	Adjacent
Hazardous substances?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Petroleum products?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Chemicals?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Asbestos or asbestos-containing materials?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lead-based paints?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Underground storage tanks?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Above-ground storage tanks?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Oil Wells?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Sumps?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

If yes to any of the above, please describe: _____

4. Are you aware of any current or previous uses of the property or nearby properties that would suggest the presence of the foregoing items, substances, or materials? Yes No

If yes to any of the above, please describe: _____

PHASE I INTERVIEW QUESTIONNAIRE

5. To your knowledge, are there any utility corridors on the property? Yes No

If yes to any of the above, please describe: _____

6. To your knowledge, are you aware of any of the following on the property:

Water Wells? Yes No Disposal Wells? Yes No
 Clarifiers? Yes No Underground Irrigation Systems? Yes No

If yes to any of the above, please describe: _____

7. Are there any occupants on the property? Yes No

If yes to any of the above, please describe: _____

8. Do you have good knowledge regarding the identity of any existing documents relating to the property?

Yes
 No If not, who does? _____ Phone Number: _____

9. To your knowledge, do any of the following documents exist with respect to the subject property? If yes, please name the document and comment upon whether it is available for review.

Document	Yes	No	Name/Availability
Environmental site assessment reports?			
Environmental audit reports?			
Environmental permits?			
Storage tank registration?			
Material safety data sheets (MSDS)?			
Community right-to-know plans?			
Safety plans?			
Spill Prevention, Countermeasure, & Control Plans?			
Illness and Injury Prevention Plans?			
Reports regarding hydrogeologic conditions on the property or surrounding area?			
Hazardous waste generator notices or reports?			
Geotechnical studies?			

PHASE I INTERVIEW QUESTIONNAIRE

10. To your knowledge, do any of the following exist with respect to the subject property?

- a. Notices or other correspondence from any government agency relating to past or current violations of environmental laws? Yes No

If yes to any of the above, please describe: _____

- b. Notices or other correspondence from any government agency relating to environmental liens encumbering the property? Yes No

If yes to any of the above, please describe: _____

- c. Pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances, or petroleum products in, on, or from the property? Yes No

If yes to any of the above, please describe: _____

- d. Notices from any government al entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products? Yes No

If yes to any of the above, please describe: _____

11. Please provide any additional information relative to this project.

Owner/Representative: _____
(sign and print name)

Date: _____

APPENDIX E

RESUMES

DR. SIAMAK JAFROUDI

President

Principal-in-Charge

EDUCATION

PhD, Geotechnical Engineering, 1983,

UC Davis

MS, Civil Engineering, 1978, UC Davis

REGISTRATIONS

Civil Engineering, California, PE 36641

Geotechnical Engineer, California, GE 2024

Environmental Assessor, REA 01655

PROFESSIONAL SUMMARY

Dr. Jafroudi has over 34 years of professional experience in geotechnical engineering. His area of specialization is “material characterization” in relation to slope stability evaluation, liquefaction analysis, pavement design, collapse potential, earth retaining structures and earthquake engineering. Dr. Jafroudi’s experience encompasses the design and supervision of a multitude of soil mechanics laboratory tests and drilling programs. With a broad range of project experience, he has served as a Principal Engineer on several key projects for such clients as school, university and college districts, public agencies; transportation agencies; residential and commercial developers, as well as private sector clients.

Acquiring a doctorate degree in Geotechnical Engineering as well as a Master of Science degree in Civil Engineering, Dr. Jafroudi maintains extensive working knowledge and experience with respect to these challenging fields. Dr. Jafroudi is a Registered Geotechnical Engineer (GE), a Registered Environmental Assessor (REA), and is registered in Civil Engineering (PE), all in the state of California. Additionally, he is an active member of the American Society of Civil Engineers, the Earthquake Engineering Research Institute and California Geotechnical Engineering Association.

SELECTED PROJECT EXPERIENCE**Environmental Site Assessments**

- KB Homes, Hollywood Beverly Christian Church, Hollywood
- Castle & Cooke, Lake Elsinore Outlet Mall, Lake Elsinore
- Covina Transit Plaza, Foothill Transit, Covina
- First Street Bridge Widening, Los Angeles County
- Overland Street Bridge Improvements, Los Angeles County
- 801 Office Tower, Mani Brothers, Los Angeles
- Harmony Grove Site Acquisition, New Urban West, San Diego County
- Site Acquisitions, County of Los Angeles Office of Education, Los Angeles
- Eleven Projects, City of Mission Viejo, Mission Viejo
- Site Acquisitions, Paramount USD, Paramount
- Site Acquisitions, Santa Ana USD, Santa Ana
- Site Acquisition, Nevis Construction, Chino Hills
- Site Acquisitions, Moreno Valley USD, Moreno Valley
- Corona Farms, Confidential Client, Corona
- Amusement Park, Confidential Client, Orange County
- Nursery Site, Confidential Client, Sylmar
- Warehouse Facility, Confidential Client, Norwalk

MR. ED LUMP

Associate Geologist

EDUCATION

B.Sc Geology, San Diego State University, San Diego, California

PROFESSIONAL SUMMARY

Mr. Lump has been in the field of Engineering Geology since 1984 and in the field of Environmental Assessment since 1990. Serving as a field technician, soils laboratory technician, and geologist he has gained field experience on numerous hillside and flatland residential and commercial developments throughout southern California. As an engineering geologist he supervised field personnel and conducted numerous geologic and geotechnical evaluations on residential, commercial and industrial developments in California, Arizona and Nevada. His projects have included landslide and fault evaluations, single and multi-tract residential properties, shopping centers/national chain retail developments, and forensic evaluations, as well as grading and construction oversight. Mr. Lump has also conducted and managed numerous Phase I Environmental Site Assessments and Phase II soil, groundwater and soil vapor assessments for vacant, agricultural, residential, commercial and industrial properties in California, Arizona and Nevada.

SELECTED PROJECT EXPERIENCE

Environmental Site Assessments

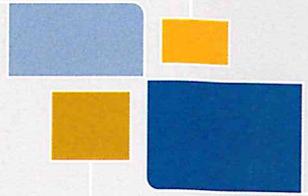
- Limited Phase II and Soil Vapor Survey, 2013, County of Riverside, future Eastvale fire station, Riverside County, CA
- Phase I ESA, 2013, Wakeland Housing Development, 10 apartment complex portfolio, San Diego County, CA
- Phase I ESA and Limited Phase II, 2013, William Lyon Homes, Upland Residential Development, San Bernardino County, CA
- Limited Phase II Assessment, 2013, KB Homes, Spring Mountain Ranch, Riverside County, CA
- Environmental demolition and grading oversight, 2011/2012, Standard Pacific Homes, Harmony Grove residential development, San Diego County, CA
- Groundwater Mounding Evaluation, 2008, Lowe's HIW, Lowe's of Pacoima, Los Angeles County, CA
- Phase I ESA, Pesticide Residue Survey, Remedial Earthwork Guidelines, and Final As-Built Assessment, 2003/2004, Lennar Homes, Bressi Ranch, San Diego County, CA

Geologic and Geotechnical Evaluations

- Lake Elsinore Marketplace, Diamond Development, Riverside County, CA
- Salton Sea Solar Plant, Chevron Solar, Inc., Imperial County, CA
- Lowe's of Sparks, Nevada, Lowe's HIW, Washoe County, NV
- Walmart Murrieta, Walmart, Inc., Riverside County, CA
- Santa Fe Hills/Paloma Residential Development, KB Homes, San Diego County, CA
- Carmel Mountain Ranch Residential Development, Presley of San Diego, San Diego County, CA
- Lowe's of Bullhead City, Arizona, Lowe's HIW, Mohave County, AZ

Grading and Construction

- Discovery Hills Residential Development, Presley of San Diego, San Diego County, CA
- Lowe's of Prescott, Arizona, Lowe's HIW, Yavapai County, AZ
- Salt Creek Residential Development, KB Homes, San Diego County, CA
- Lowe's of Pacoima, Lowe's HIW, Los Angeles County, CA
- Lake Elsinore Marketplace, Diamond Development, Riverside County, CA
- Carmel Mountain Ranch Residential Development, Presley of San Diego, San Diego County, CA
- Santa Fe Hills/Paloma Residential Development, KB Homes, San Diego County, CA
- Cobra Golf Facility-Carlsbad, Cobra Golf, San Diego County, CA



**Orange County /
Environmental / Corporate**

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Temecula, California 92591
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Los Angeles County

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Valencia, California 91355
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Desert Region

42-240 Green Way, Suite E
Palm Desert, California 92211
T: 760-340-5303 F: 760-340-5096

