

Appendix E1
Phase I and Limited Phase II Environmental
Site Assessment

***PHASE I ENVIRONMENTAL SITE ASSESSMENT
AND LIMITED PHASE II SITE ASSESSMENT***

***46± ACRES OF 6 NON-CONTIGUOUS PARCELS OF AGRICULTURAL LAND,
ASSESSOR PARCEL NUMBERS (APN's) 0167-031-16, 0167-031-02,
0167-031-04, 0167-031-05, 0167-031-06 and 0167-031-07,
EAST OF 210 FREEWAY AND NORTH OF DOMESTIC AVENUE,
CITY OF REDLANDS, SAN BERNARDINO COUNTY, CALIFORNIA***

MLC HOLDINGS, INC.

***March 28, 2019
J.N. 18-345***

March 28, 2019
J.N. 18-345

MLC HOLDINGS, INC.

5 Peters Canyon Road, Suite 310
Irvine, California 92606

Attention: Mr. Matt Maehara

Subject: Phase I Environmental Site Assessment and Limited Phase II Site Assessment; 46± Acres of 6 Non-Contiguous Parcels of Agricultural Land, Assessor Parcel Numbers (APN's) 0167-031-16, 0167-031-02, 0167-031-04, 0167-031-05, 0167-031-06 and 0167-031-07, East of 210 Freeway and North of Domestic Avenue, City of Redlands, San Bernardino County, California

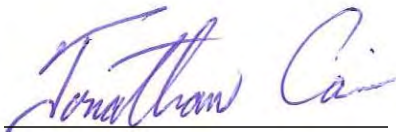
Dear Mr. Maehara:

Petra Geosciences, Inc. (Petra) is presenting herein our Phase I Environmental Site Assessment for the subject property. This assessment has been conducted in accordance with our Proposal No. 18-345P, dated September 19, 2018, 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 a Controlled Recognized Environmental Condition on the subject property.

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.



Jonathan Cain
Senior Associate Geologist



Siamak Jafroudi, PhD
Senior Principal Engineer
GE 2024

EXECUTIVE SUMMARY

PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED PHASE II ASSESSMENT

**46± Acres of 6 Non-Contiguous Parcels of Agricultural Land,
Assessor Parcel Numbers (APN's) 0167-031-16, 0167-031-02,
0167-031-04, 0167-031-05, 0167-031-06, 0167-031-07,
East of 210 Freeway and North of Domestic Avenue,
City of Redlands, San Bernardino County, California**

INTRODUCTION

The information presented in this report includes the results of our recent site reconnaissance, a review of pertinent literature, and recent federal, state, and local government agency records. Our field reconnaissance was performed by Mr. Edward Lump, Associate Geologist, with data gathering and compilation performed by Mr. Lump and Mr. Jonathan Cain, Senior Associate Geologist, with oversight by Dr. Siamak Jafroudi, President and Principal Engineer.

SITE DESCRIPTION AND GENERAL INFORMATION

1. The subject site is comprised of six non-contiguous parcels totaling approximately 46±-acres essentially covered by a former citrus orchard. The westerly portion of the site is rectangular shaped and comprised of two parcels with APN's 016-703-116 and 016-703-02. The eastern portion is located approximately 150 feet± to the east. This portion of the site is comprised of four parcels with APN's 016-703-04, 106-703-05, 016-703-06 and 016-703-07. Both portions of the property are located adjacent the north side of West Domestic Drive, east of Highway 210, and west of Texas Street in the city of Redlands, San Bernardino County, California. A site location map is included as Figure 1.
2. Vehicular access to the subject property from Texas Street is via West Domestic Drive which is an unimproved dirt road along the southern boundary of the site. Access is also via an unnamed dirt road along the north property boundary. The site is essentially covered by citrus orchards. The property is also located north-northwest of Citrus Valley High School and across West Domestic Drive. A drainage bounds the western edge of the subject property, with the 210 Freeway easement beyond. North of the subject parcels are citrus groves and vacant land. The site slopes gently to the west-northwest with existing elevations on the order of approximately 1,261± feet above mean sea level (msl) along the northwestern edge of the site, to 1,294± feet above msl along the southeast portion of the site (USGS, 2012).
3. Based on information obtained during this assessment, the site appears to have been used for agricultural groves since at least 1939. Historical information reviewed during this assessment includes aerial photographs (dating back to 1930), USGS topographical maps (dating back to 1899), environmental lien search and interviews. EDR indicates that fire insurance maps covering the target property were not found.
4. The six subject parcels contain orange trees in various stages of age and health. Localized clusters of well-developed weeds were noted. At the time of our recent site reconnaissance most of the trees contained fruit and the ground surrounding the trees were covered with fruit. Short concrete risers throughout the groves marked the location of water valves. The irrigation system consisted of small diameter flexible plastic tubing with either drip or spray applicators. Homeless encampments were

noted in at least two areas along the western portion of the subject property. Near these encampments were the largest concentration of dumped trash and debris in or along the south edge of the drainage in the northwest portion of APN's 0167-031-02 and -16. There were no visible signs of this debris containing hazardous substances, however, the trash was not disturbed. A few other areas of dumped debris was noted near dirt roads between the parcels containing ceramic tiles, carpet, lumber, interior vehicle parts, clothing, concrete block, drywall, and concrete slab fragments. Also scattered within the groves were remnants of clay and concrete pipe, fragments of smudge pots, and to a lesser extent wind-blown trash.

5. Three wind machine towers were observed within the subject site. One machine, located in APN 0167-031-05, contains a motor on the top platform. Piping near the base suggests an aboveground fuel tank was present at one time. Minor staining was observed around the base of the wind machine. The second machine, located in the north portion of APN 0167-031-02, does not contain a motor does not contain a motor but the propeller remains. A homeless encampment was found around the base of the third wind machine tower, which has no motor or propeller, located in the south portion of APN 0167-031-02. Minor staining was observed around the base of the wind machine. A discussion with the former grove operator, Mr. Charles Hills with Larry Jacinto Farms, indicated that the wind machines were gasoline-powered. These machines have not been in use for approximately 20 years. Mr. Hills stated that the aboveground fuel storage tanks are inside the towers.

Hand auger borings were placed in the minor soil stained areas near the concrete base of all three wind machine areas. Detectable levels of Total Petroleum Hydrocarbons (TPH) in the diesel and motor oil range were reported only at the base where the tower had been removed. The TPH-diesel concentration in HA-3 at a depth of 0 to 0.5 feet was 195 milligrams per kilogram (mg/kg). The TPH-motor oil concentration in HA-3 at a depth of 0 to 0.5 feet was 97.7 milligrams per kilogram (mg/kg). Typical screening levels for residential land use for these TPH's is 100 mg/kg. These soils will require excavation and removal from the property. Additional information is provided the limited Phase II section of this report.

6. One water well was observed near the southeast corner of the subject property. It is our understanding that this well was used to supply water to the orchards; however, it appears to be inactive. Based upon a discussion with Mr. Charles Hills (Larry Jacinto Farms), this well is not within the subject property.
7. Wooden power poles with overhead lines were located offsite, along the south side of Domestic Avenue and along the east edge of the subject property. None of the poles contain pole-mounted transformers.
8. There was no evidence of sumps, pits, pools, or lagoons identified during our site reconnaissance.
9. No sites were identified in our search of various government agency database records, which appear to have adversely impacted the soils, groundwater or soil vapor beneath the subject parcels at this time; however, the subject property is located within the Crafton-Redlands Plume boundary, a groundwater plume with known trichloroethylene (TCE) contamination. Although the boundary of the plume varies in publications, groundwater monitoring wells associated with the plume extends from the former Lockheed Martin facility (1500 Crafton Avenue) in northeast Redlands (approximately 1.75 miles east-northeast of the subject property) west to beyond the 215 Freeway/Interstate 10 interchange.

Groundwater monitoring wells associated with the Crafton-Redlands Groundwater Plume are mapped near the east site boundary, in the vicinity of Dearborn Street. In addition multiple monitoring wells were mapped surrounding the subject property and throughout the Redlands area. The Lockheed Martin

Nested Monitoring Wells Dearborn MW-A/B/C was identified as key sentry wells to down-gradient production wells in the Bunker Hill Groundwater Basin. Statistical analysis of 30-31 samples collected (2008-2015) from each of the 3 Dearborn wells reported an average perchlorate concentration of 5.0 micrograms per liter ($\mu\text{g/L}$) in Dearborn A; 10 $\mu\text{g/L}$ in Dearborn B; and 7.8 $\mu\text{g/L}$ in Dearborn C. Maximum concentrations overall ranged from 9.7 to 22 $\mu\text{g/L}$. Statistical trends reported that perchlorate concentrations are decreasing in Dearborn Wells B and C, and stable in Dearborn Well A. For comparison purposes, the Maximum Contaminant Level (MCL) for perchlorate is 6 $\mu\text{g/L}$. TCE concentrations were listed as non-detect (ND) in 30-31 samples. For TCE the MCL is 5 $\mu\text{g/L}$.

In 2015 and 2016 three monitoring wells in relative proximity to the subject property were sampled and reported: Williams Well (Pioneer Street), COR Orange Street (Orange Street) and COR#31-A (Texas Street south of San Bernardino Avenue). Results of TCE and perchlorate analytical results reported that groundwater monitoring wells mapped in the vicinity of the subject property did not contain TCE concentrations at or above the Maximum Contaminant Level (MCL) of 5 micrograms per liter ($\mu\text{g/L}$) in 2015 through 2018. Additionally, these wells were not reported to contain perchlorate concentrations at or above the MCL of 6 $\mu\text{g/L}$, except COR#31-A in 2015. Wells containing contaminant levels above MCLs appear to be located south of San Bernardino Avenue.

Although groundwater beneath the site has been impacted, based on the 2015 and 2016 measured depths to groundwater (greater than 100-200 feet below grade [fbg]), the concentrations of contaminants are reported to be sufficiently low (below MCLs in close proximity to the site) as to not present a health risk to future residents. Further, because of the known presence of groundwater contamination, the Regional Water Quality Control Board will more than likely not identify future site owners as Responsible Parties. Strict definition of the Crafton-Redlands plume warrants it to be labeled as a Controlled Recognized Environmental Condition (see definition below); however, depth to groundwater and decreasing contamination levels below drinking water Maximum Contaminant Levels (MCLs), the plume underlying the site is considered as a de minimis condition.

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

Based on the use of the site for agriculture purposes from at least 1930 until the present, Petra conducted a Limited Phase II Site Assessment to evaluate shallow, near surface, site soils.

To evaluate soil residues within the site, a total of 15 borings (HP-1 through HP-15) were advanced to a depth of 3.5 feet below ground surface (bgs) utilizing a direct-push rig. Five (5) hand-auger borings (HA-1 through HA-5) were also advanced to a depth of 3.5 feet bgs. Soil samples were collected from depths of 0.5 foot, 1.5, and 3.0 feet. The 0.5-foot samples were discretely analyzed for Organochlorine Pesticides (OCPs) according to Environmental Protection Agency (EPA) Test Method 8081A; ten percent (2) of the samples were tested for Chlorinated Herbicides using EPA Method 8151A; and four (4) samples were analyzed for Total Petroleum Hydrocarbons (TPH) – Carbon Chain using EPA Method 8015B. The remaining deeper soil samples were archived by the laboratory for future testing in the event elevated levels of the aforementioned constituents were detected.

All soil samples analyzed during this assessment were analyzed by Enviro-Chem, Inc. (ECI) in Pomona, California. ECI is accredited by the California Environmental Protection Agency, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). Analyses were requested on a chain-of-custody record. Below is a discussion of the laboratory results.

Organochlorinated Pesticides

Sixteen (16) discreet and two (2) duplicate soil samples collected at a depth of 0.5 foot were tested for Organochlorinated Pesticides (OCPs) according to EPA Method 8081A. Fifteen (15) samples contained concentrations of 4,4'-DDE that ranged from 0.002 milligrams per kilograms (mg/kg) to 0.278 (mg/kg). All detectable concentrations of DDE were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 2.0 mg/kg for DDE residential use soils.

Seven (7) samples contained concentrations of 4,4'-DDT ranging from 0.003 milligrams per kilograms (mg/kg) to 0.131 mg/kg. All detectable concentrations of DDT were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 1.9 mg/kg for DDT residential use soils.

One (1) sample contained a detectable concentration of Dieldrin at 0.001 milligrams per kilograms (mg/kg). The detectable concentration of Dieldrin was found to be below the California Human Health Screening Levels (CHHSLs) of 0.035 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 0.034 mg/kg for DDT residential use soils.

No other OCP analytes were reported at concentrations above the laboratory detection limit. The laboratory test results are listed within Table 1 and copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

Chlorinate Herbicides

Ten percent of the samples (2) analyzed for Organochlorinated Pesticides (OCPs), were also analyzed for Chlorinated Herbicides. No detectable levels of Chlorinated Herbicides were present in the samples analyzed at a depth of 0.5 foot. laboratory test results are listed within Table 1 and copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

Total Petroleum Hydrocarbons

Four (4) discreet samples were tested for Total Petroleum Hydrocarbons (TPH) carbon chain. No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range. One sample HA-3@ 0.5 ft. contained concentrations of C11-C22 Diesel Range of 195 milligrams per kilograms (mg/kg) and C23-C35 Motor Oil Range of 97.7 mg/kg. The concentrations of C11-C22 Diesel Range of 195 mg/kg were found to exceed the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB, 2013) Tier 1 Environmental Screening Level (ESL) of 100 mg/kg. The concentrations of C23-C35 Motor Oil Range of 97.7 mg/kg were below the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB) 2013 Tier 1 Environmental Screening Level (ESL) of 100 mg/kg.

As a result, soil residues exceeding ESL values for C11-C22 Diesel Range are not considered suitable for re-use as fill within future residential development. A summary of test results is provided in Table II. Copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

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 agency,

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 this Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 for Assessor Parcel Numbers (APN's) 0167-031-16, 0167-031-02, 0167-031-04, 0167-031-05, 0167-031-06, 0167-031-07, located east of 210 Freeway and north of Domestic Avenue, in the City of Redlands, San Bernardino County, California. Any exceptions to, or deletions from, this practice are described in the section titled *Data Failures and Data Gaps* of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property, except for the following:

- The subject property is located within the Crafton-Redlands Plume boundary, a groundwater plume with known trichloroethylene (TCE) contamination. Strict definition of the Crafton-Redlands plume warrants it to be labeled as a Controlled Recognized Environmental Condition; however, based on 2015 and 2016 measured depths to groundwater (greater than 100-200 feet below grade [fbg]), the concentrations of contaminants are reported to be sufficiently low (below MCLs in close proximity to the site) as to not present a health risk to future residents. Further, because of the known presence of groundwater contamination and the source, the Regional Water Quality Control Board will more than likely not identify future site owners Responsible Parties. As a result, the plume underlying the site is considered a de minimis condition.

SITE CONSIDERATIONS

Items, if presented below, are not considered recognized environmental conditions in accordance with ASTM 1527-13. Although these items may warrant consideration in conjunction with any planned development activities, they are not recognized environmental conditions. The information regarding possible actions relative to these items has been provided as guidance.

- Analytical results of one sample, HA-3 at 0.5 foot, reported a concentration of 195 mg/kg total petroleum hydrocarbons in the diesel range. The sample was collected near stained surface soils adjacent to an aboveground fuel storage tank associated with one of the wind machines in the southwestern portion of the western-most parcel. Although not considered a recognized environmental condition at this time, this concentration exceeds the Environmental Screening Level (ESL) for residential use soils and not suitable to use within a residential development. Impacted soils should be properly excavated and disposed of offsite in accordance with local regulatory agency guidelines.
- Care should be taken when removing the two existing wind machine towers which contain aboveground fuel storage tanks. Although it is our understanding that these machines have not been used for over 20 years, there may be residual gasoline in the tanks. Care should be taken to not spill fuel onto the ground surface. Any spills should be properly cleaned up following local regulatory agency guidelines.

- It is recommended that all vegetation, debris and trash encountered on the site be removed and disposed in accordance with current local regulations.
- With redevelopment of any historically developed agricultural property, a certain amount of unknown conditions in the subsurface should be anticipated (i.e., buried debris and foundations, tree stumps, utility conduits, etc.). Any discolored soils or unanticipated buried objects should be left in place until an experienced environmental professional has had the opportunity to evaluate the conditions and provide recommendations if needed.

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TABLE 1
SUMMARY OF OCP'S AND CHLORINATED HERBICIDES TEST RESULTS

TABLE 2
SUMMARY OF TOTAL PETROLEUM HYDROCARBON-CARBON CHAIN TEST RESULTS

FIGURE 1
SITE LOCATION MAP

FIGURE 2
SITE AERIAL PHOTOGRAPH

FIGURE 3
PHASE II SAMPLE LOCATION MAP

APPENDIX A
SITE PHOTOGRAPHS

APPENDIX B
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APPENDIX E
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APPENDIX F
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT
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**46± Acres of 6 Non-Contiguous Parcels of Agricultural Land,
Assessor Parcel Numbers (APN's) 0167-031-16, 0167-031-02,
0167-031-04, 0167-031-05, 0167-031-06, 0167-031-07,
East of 210 Freeway and North of Domestic Avenue,
City of Redlands, San Bernardino County, California**

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, 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 Phase I Environmental Site Assessment (ESA) was conducted to determine if any recognized environmental conditions exist on the subject site. 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 satisfy the requirement for conducting all appropriate inquiries into the previous ownership and uses of a property for the purposes of meeting the all appropriate inquiries provisions necessary to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

We have performed this assessment in conformance with the scope and limitations of the standards set forth in the ASTM Practice E 1527-13 and the EPA's All Appropriate Inquiry (AAI) regulations 40 CFR Part 312.

Involved Parties

This report was prepared by Petra Geosciences, Inc. (Petra), at the request of MLC Holdings, Inc. for their exclusive use. 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 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, which included noting the visual evidence of prior uses of the subject site and adjoining properties. The site reconnaissance included an observation of the site surface, building and structure interiors, and the site perimeter.
2. Researching historical land use of the subject site and vicinity by reviewing available historical aerial photographs, United States Geologic Survey (USGS) topographic maps, fire insurance maps, city directories, local building department records, local planning department records and other reasonably ascertainable maps and data.
3. Performing a limited literature review of local and regional geological conditions as they pertain solely to commenting of recognized environmental conditions for the site.
4. Conducting a search for environmental liens and Activities and Use Limitations (AULs) for the property.
5. 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. As specified in the ASTM and AAI standards, the following databases were searched using, at a minimum, the recommended 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.

6. 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.
7. Evaluating the presence of recognized environmental conditions at the subject site through 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 (PCB's), liquid or solid wastes, oil wells, and areas indicative of potential contamination including stained soils and/or pavement, stressed vegetation, monitoring wells, drains, sumps, pits, ponds, lagoons, and odors.
8. Preparing a report presenting the results of our Phase I ESA.

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, lead-based paint, or the sampling and testing of soil, air, soil vapor, 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 2600-15.

SITE OVERVIEW

According to the State of California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (2019) DOGGR Online Mapping System, the property is situated within Township 01 South, Range 04 West, Section 16, San Bernardino Base and Meridian. Site elevations range from approximately 1,261± feet above mean sea level (msl) along the northwestern edge of the site, to 1,294± feet above msl along the southeast portion of the site (USGS, 2012). A site location map is included as Figure 1.

The subject site is comprised of six non-contiguous parcels totaling approximately 46±-acres essentially covered by a former citrus orchard. The westerly portion of the site is rectangular shaped and comprised of two parcels with APN's 016-703-116 and 016-703-02. The eastern portion is located approximately 150 feet± to the east and is nearly square shaped. This portion of the site is comprised of four parcels with APN's 016-703-04, 106-703-05, 016-703-06 and 016-703-07. Both portions of the property are located adjacent the north side of West Domestic Drive, east of Highway 210, and west of Texas Street in the city of Redlands, San Bernardino County, California. A plan showing the configuration of the subject property is included as Figure 2.

PREVIOUS LAND USE

Based on information obtained during this investigation, the site appears to have been used for agricultural groves since at least 1939. Historical information reviewed during this assessment includes aerial photographs (dating back to 1930), USGS topographical maps (dating back to 1899), environmental lien search and interviews. EDR indicates that fire insurance maps covering the target property were not found.

PREVIOUS REPORTS

No previous environmental reports for the subject site were provided to Petra for review during this assessment. A Restricted Materials permit from San Bernardino County was provided, dated January 14, 2018. Permit No. 36-18-3600205 listed the operator as Rossmore Enterprises. The certified applicator was reported as Charles Hills (License No. 101049). The type of use is listed as “agricultural use”. The pesticide possession is listed as “pest control business only”. Permit conditions are reported as “AG use sites, alternative means, PCO applic, closed mixing, employee trained, field workers, herbicide req, bee protection.” Regulatory notes report the “presence of pests. Larry Jacinto Farming to apply restricted pesticides.” Attached to the permit was a United States Department of Agriculture (USDA) compliance agreement identifying the Cooperative Asian Citrus Psyllid Quarantine Program (Compliance Agreement No. 36-Citrus-0189). The agreement was signed March 12, 2018. The agreement permits the establishment to self-execute the requirements for the grower/grove manager on program management practices for ground spraying and drench treatment, and hazardous materials spills. A copy of these documents is provided in Appendix D.

During Petra’s review of potential environmental concerns associated with facilities in close proximity to the subject parcels, it was noted that groundwater monitoring wells associated with the Crafton-Redlands Groundwater Plume were mapped on the State Regional Water Resources Control Board’s GeoTracker website in the vicinity of Pioneer Street (approximately 1,400 feet south), Texas Street (approximately 3,500 feet south) and Orange Street (approximately 3,200 feet east). In addition to these wells, multiple monitoring wells were mapped throughout the Redlands area. Data has shown that the source of the groundwater plume is the Lockheed Environmental Systems Tech Company (formerly Lockheed Martin Facility at 1500 Crafton Avenue, Redlands, California). This facility is mapped approximately 4 miles east of the subject property. A summary of recent reports by Tetra Tech, Inc. are provided below.

Tetra Tech, Inc., 2015:

This document presents a revision to the ongoing groundwater monitoring of trichloroethene (TCE) and perchlorate associated with the Crafton-Redlands plume, located in the eastern and central portion of the Bunker Hill Groundwater Basin in San Bernardino, California. There are three monitoring wells in the vicinity of the subject property: Williams Well (Pioneer Street), COR Orange Street (Orange Street) and COR#31-A (Texas Street south of San Bernardino Avenue).

Williams Well is screened for groundwater sampling at a depth of 158-388 feet below the ground surface. Well COR Orange Street is screened for groundwater sampling at a depth of 153-490 feet below the ground surface. Well COR#31-A is screened for groundwater sampling at a depth of 480-700 feet below the ground surface.

Statistical analysis of samples collected from the Williams Well reported non-detect concentrations of perchlorate and Trichloroethene (TCE). Well COR Orange Street reported an average concentration of 1.8 micrograms per liter ($\mu\text{g/L}$) perchlorate and non-detect for TCE. In Well COR#31-A, the maximum concentration of perchlorate was listed as 25 $\mu\text{g/L}$ and the average as 15 $\mu\text{g/L}$. The average concentration for TCE was reported as 0.56 $\mu\text{g/L}$ and 1.4 $\mu\text{g/L}$ as the maximum level. Statistical trends reported that perchlorate concentrations are decreasing in Williams Well and COR#31-A, and increasing in Well Orange Street. For comparison purposes, the Maximum Contaminant Level (MCL) for perchlorate is 6 $\mu\text{g/L}$. For TCE the MCL is 5 $\mu\text{g/L}$.

Lockheed Martin Corporation, 2017:

This report summarizes activities performed in the fourth quarter 2016. Groundwater monitoring activities associated with the Crafton-Redlands plume project are performed in accordance with the Regional Water Quality Control Board (RWQCB)-approved 2015 groundwater management plan (GMP). The 2015 GMP describes the approach to monitor the trichloroethene (TCE) and perchlorate plumes in the eastern and central portions of the Bunker Hill Groundwater Basin. The 2015 GMP is designed to monitor groundwater quality at potable, agricultural and monitoring well locations.

In accordance with the Plume Characterization Monitoring Plan, monitoring well sampling included collection of groundwater samples from the above identified wells located in the central portion of the Bunker Hill Groundwater Basin. Samples were analyzed for perchlorate and Volatile Organic Compounds (VOC's) including TCE. Results are provided in the data report by Tetra Tech, Inc. (dated January 17, 2017) summarized below.

Tetra Tech, Inc., 2017:

The purpose of this water supply monitoring plan is to monitor groundwater quality, specifically trichloroethene (TCE) and perchlorate concentrations at water supply wells owner by water purveyors in the Bunker Hill Groundwater Basin.

Well COR#31-A, with a reported depth of groundwater as 228 feet below the ground surface, was not required to be sampled for this quarterly monitoring report (semi-annual sampling). Well COR Orange Street, with a reported groundwater depth of 188 feet, reported non-detect levels of perchlorate. TCE sampling was not required (semi-annual sampling). No information was provided for the Williams Well.

Petra reviewed monitoring reports from 2018 and found no new data for the Williams Well and Well COR#31-A. Well COR Orange Street reported non-detect levels of perchlorate during sampling in the fourth quarter 2018 (Tetra Tech, 2019).

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 evaluation of the subject site and should not be taken as such.

Geology

Geologically, the site lies within the northern portion of the Peninsular Ranges Geomorphic Province. The Peninsular Range region extends from the tip of Baja California on the south, to the Transverse Ranges on the north, and the Los Angeles Basin on the west, and is characterized by northwest trending mountain ranges separated by subparallel fault zones. In general, the province is underlain primarily of plutonic rock of the Southern California Batholith. The Peninsular Range Geomorphic Province is generally characterized by alluviated basins and elevated erosion surfaces.

Published geologic maps of the area indicate that the site and surrounding alluvial areas are underlain by Middle Holocene-age Young axial-valley deposits – Unit 3 (Matti, J.C., et al, 2003). These soils are described as slightly to moderately consolidated silt, sand and gravel deposits.

Surface Water

No surface water was observed within the property during our site reconnaissance.

Groundwater

The site is located within the Bunker Hill (8-002.06) Groundwater Basin. The site and vicinity is located within the upper Santa Ana Valley Basin of the South Coast Hydrologic Region (California Department of Water Resources, [CDWR], 2003). In general, groundwater depth varies within the area and though flow direction specifically beneath the subject property is unknown, it is reasonable to estimate flow to follow regional topography from east to the west – northwest. The high groundwater depth within the site vicinity, between 1973 and 1983, is reported as 100 feet below the ground surface (Matti and Carson, 1991).

Groundwater depths in wells located in the vicinity of the subject property were reviewed on the California Department of Water Resources website (DWR, 2019). There appears to be no wells mapped within the property. The closest well in alluvial areas is located west of the property, and reports depths of greater than 100 feet since 1987. The memorandum documenting this inquiry is included in Appendix B.

Groundwater in the central portion of the Bunker Hill Groundwater Basin occurs under unconfined water table conditions; however, groundwater along the western portion occurs under confined conditions (Tetra Tech, 2015). The basin contains three hydro stratigraphic units defined as containing productive water-bearing units. In the central basin (where the subject site is located), groundwater flow within the middle aquifer is in a southwesterly direction towards Colton Narrows. The Basin boundary between the Bunker Hill and Colton-Rialto is the San Jacinto Fault. Colton Narrows is an alluvium and gouge filled notch within the fault zone that allows surface water and shallow groundwater to exit the Bunker Hill Basin and enter the Colton-Rialto Basin. Deeper groundwater is inhibited from flowing through the fault zone.

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 subject site on March 26, 2019. Site photographs are included in Appendix A. Our site observations are summarized below.

- The subject site is comprised of six non-contiguous parcels totaling approximately 46±-acres essentially covered by a former citrus orchard. The westerly portion of the site is rectangular shaped and comprised of two parcels with APN's 016-703-116 and 016-703-02. The eastern portion is located approximately 150 feet± to the east. This portion of the site is comprised of four parcels with APN's 016-703-04, 106-703-05, 016-703-06 and 016-703-07. Both portions of the property are located adjacent the north side of West Domestic Drive, east of Highway 210, and west of Texas Street in the city of Redlands, San Bernardino County, California. A site location map is included as Figure 1.
- Vehicular access to the subject property from Texas Street is via West Domestic Drive which is an unimproved dirt road along the southern boundary of the site. Access is also via an unnamed dirt road along the north property boundary. The site is essentially covered by citrus orchards. The property is also located north-northwest of Citrus Valley High School and across West Domestic Drive. A drainage bounds the western edge of the subject property, with the 210 Freeway easement beyond. North of the subject parcels are citrus groves and vacant land. The site slopes gently to the west-northwest with existing elevations on the order of approximately 1,261± feet above mean sea level (msl) along the northwestern edge of the site, to 1,294± feet above msl along the southeast portion of the site (USGS, 2012).

- The six subject parcels contain orange trees in various stages of age and health. Localized clusters of well-developed weeds were noted. At the time of our recent site reconnaissance most of the trees contained fruit and the ground surrounding the trees were covered with fruit. Short concrete risers throughout the groves marked the location of water valves. The irrigation system consisted of small diameter flexible plastic tubing with either drip or spray applicators. Homeless encampments were noted in at least two areas along the western portion of the subject property. Near these encampments were the largest concentration of dumped trash and debris in or along the south edge of the drainage in the northwest portion of APN's 0167-031-02 and -16. There were no visible signs of this debris containing hazardous substances, however, the trash was not disturbed. A few other areas of dumped debris was noted near dirt roads between the parcels containing ceramic tiles, carpet, lumber, interior vehicle parts, clothing, concrete block, drywall, and concrete slab fragments. Also scattered within the groves were remnants of clay and concrete pipe, fragments of smudge pots, and to a lesser extent wind-blown trash.
- Three wind machine towers were observed within the subject site. One machine, located in APN 0167-031-05, contains a motor on the top platform. Piping near the base suggests an aboveground fuel tank was present at one time. Minor staining was observed around the base of the wind machine. The second machine, located in the north portion of APN 0167-031-02, does not contain a motor but the propeller is visible. A homeless encampment was found around the base of the second wind machine tower, which contained no motor or propeller, located in the south portion of APN 0167-031-02. Minor staining was observed around the base of the wind machine. A discussion with the former grove operator, Mr. Charles Hills with Larry Jacinto Farms, indicated that the wind machines were gasoline-powered. These machines have not been in use for approximately 20 years. Mr. Hills stated that the aboveground fuel storage tanks are inside the towers.

Hand auger borings were placed in the minor soil stained areas near the concrete base of all three wind machine areas. Detectable levels of Total Petroleum Hydrocarbons (TPH) in the diesel and motor oil range were reported only at the base where the tower had been removed. The TPH-diesel concentration in HA-3 at a depth of 0 to 0.5 feet was 195 milligrams per kilogram (mg/kg). The TPH-motor oil concentration in HA-3 at a depth of 0 to 0.5 feet was 97.7 milligrams per kilogram (mg/kg). Typical screening levels for residential land use for these TPH's is 100 mg/kg. These soils will require excavation and removal from the property. Additional information is provided the limited Phase II section of this report.

- One water well was observed near the southeast corner of the subject property. It is our understanding that this well was used to supply water to the orchards; however, it appears to be inactive. Based upon a discussion with Mr. Charles Hills (Larry Jacinto Farms), this well is not within the subject property.
- Wooden power poles with overhead lines were located offsite, along the south side of Domestic Avenue and along the east edge of the subject property. None of the poles contain pole-mounted transformers
- There was no evidence of sumps, pits, pools, or lagoons identified during our site reconnaissance.

Adjacent Site and Vicinity Observations

The property is situated in an area of residential, commercial and open space/undeveloped land use. Our observations are noted below:

North To the north of the subject site are agricultural fields with the Santa Ana River flood control channel beyond.

West To the west of the site is a drainage channel and the 210 Foothill Freeway easement, with vacant land and commercial development beyond.

South To the south of property is W. Domestic Avenue, with vacant land and Citrus Valley High School beyond.

East To the east of the subject site are agricultural fields with Texas Street and vacant land beyond.

Limited Phase II Environmental Site Assessment

Based on the use of the site for agriculture purposes from at least 1930 until the present, Petra also conducted a Limited Phase II Site Assessment to evaluate shallow, near surface, site soils.

On October 16, 2018, Petra collected representative soil samples from fifteen (15) borings (HP-1 through HP-15) advanced to a depth of 3.5 feet below ground surface (bgs) utilizing a direct-push rig and five (5) hand-auger borings (HA-1 through HA-5) advanced to a depth of 3.5 feet bgs. Soil samples were collected from depths of 0.5 foot, 1.5, and 3.0 feet. All soil samples collected from the 0.5-foot depth were discretely analyzed for Organochlorine Pesticides (OCPs) according to Environmental Protection Agency (EPA) Test Method 8081A; ten percent (2) of the samples were tested for Chlorinated Herbicides using EPA Method 8151A; and four (4) samples were analyzed for Total Petroleum Hydrocarbons (TPH) – Carbon Chain using EPA Method 8015B. The remaining deeper soil samples were archived by the laboratory for future testing in the event elevated levels of the aforementioned constituents were detected.

To prevent cross-contamination, all sampling equipment was washed with a Liquinox and water solution, followed by a water rinse, prior to introduction into the subsurface and between sample locations. A site plan detailing the approximate location of the direct push and hand auger borings is included as Figure 3.

All soil samples analyzed during this assessment were analyzed by Enviro-Chem, Inc. (ECI) in Pomona, California. ECI is accredited by the California Environmental Protection Agency, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). Sample security was maintained and

documented using sample labels and chain-of-custody records. Copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

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 report. The search radius 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 B revealed no listings for the subject site. The EDR report provided a total of six listings within the requested search radii, which does not include the subject property. One orphan site (sites with inadequate address information to be mapped by EDR) was identified during the agency database search. Refer to the EDR Report in Appendix C for the search radii completed for this assessment.

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:

DOD; Norton Air Force Base (Closed), Redlands, CA 92359: This site is mapped between 1/2- to 1-mile northwest of the subject site. According to Google Earth (2019) site, this site is approximately 1-mile northwest of the subject site across the Santa Ana River Channel. This site is listed on the Department of Defense (DOD) database. Based on the distance from the subject site this listing does not currently appear to represent a recognized environmental condition with regards to the subject site at this time.

NPL; Norton Air Force Base (LNDL #2), I-10/US 395 Former Norton AFB, San Bernardino, CA 92408: This site is mapped between 1/2- to 1-mile west-northwest of the subject site. According to Google Earth (2019) site, this site is approximately 1-mile northwest of the subject site across the Santa Ana River Channel. This site is listed on the National Priority List (NPL) also known as Superfund, Superfunds Enterprise Management System, Corrective Action Report (CORRACTS), Resource Conservation and Recovery Act Information, Treat, Store and Dispose (RCRA-TSDF), Resource Conservation and Recovery Act Information, Small Quantity Generator (RCRA-SQG), Engineering Controls Sites List (US ENG CONTROLS), Sites with Institutional Controls (US INST CONTROL), Record of Decision (ROD) and PCB Activity Database System (PADS) databases. Based on the distance from the subject site this listing does not currently appear to represent a recognized environmental condition with regards to the subject site at this time.

Site 1, New High School No. 3, Texas Street/W. Pioneer Avenue, Redlands, CA 92374: This site (Citrus Valley High School) is located <1/8 of a mile south-southeast of, and at a higher elevation than the subject site and is listed on the State- and tribal – equivalent CERCLIS (ENVIROSTOR) and School Property Evaluation Program (SCH) databases. The site type is for school investigation with the Department of Toxic Substance Control (DTSC) as the lead agency for site mitigation and brownfield reuse program due to past use for agricultural. The site status is currently reported as a “No Further Action” site with a status date of

04/19/2007. Based on the oversight agency granting No Further Action, this listing does not currently appear to represent a recognized environmental condition with regards to the subject site.

Site 2: Blue Goose Growers, 1600 Texas Street, Redlands, CA 92373: This site is mapped between 1/8- to 1/4-mile east-northeast of and at a higher elevation than the subject site. This site is listed on the Hazardous Substance Storage Container (HIST UST) and San Bernardino County Fire Department Hazardous Materials Permits (San Bern. Co. Permits) databases. No releases or violations are reported. Based on the lack of recorded releases or violations, this listing does not currently appear to represent a recognized environmental condition with regards to the subject site at this time.

Site 3: AT&T Mobility – 30 FWY/Pioneer Overlay (USID 12380), 27630 N. Pioneer Ave., Redlands, CA 92374: This site is mapped between 1/8- to 1/4-mile southwest of and at a lower elevation than the subject site. This site is listed on the San Bernardino County Fire Department Hazardous Materials Division Permit (San Bern. Co. Permit) database. No releases or violations are reported. Based on the lack of recorded releases or violations, and the site at a lower elevation downgradient from the subject site, this listing does not currently appear to represent a recognized environmental condition with regards to the subject site at this time.

Site 4, Redlands Farming Company, 780 West San Bernardino Avenue, Redlands, CA, 92373: This site is located within 1/4 to 1/2 of a mile to the south-southeast of, and at a higher elevation than the subject site and is included on the State- and tribal – equivalent CERCLIS (ENVIROSTOR) database. The project entailed a “Site Screening” with “No Further Action Under CERCLA.” No releases or violations are reported. Based on the lack of recorded releases and violations, this listing does not currently appear to represent a recognized environmental condition with regards to the subject site.

All site 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 oversight agency having granted closure, the site being down gradient from the subject site and/or their distance from the subject site.

Orphan Sites

Orphan sites are those that the database search was not able to locate due to lack of complete address information. One orphan site was listed in the EDR report. The Orphan listing was related to the Crofton-Redlands Area Bunker Hill Ground Water Sub-B which is discussed previously under the heading for Groundwater.

Local Agencies

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

A. San Bernardino County

The San Bernardino County Department of Environmental Health maintains Environmental Case Listings related to hazardous waste permits, underground storage tanks and tank cleanup sites. Records held by this agency were accessed by EDR during the government database search. No listings for the subject site were reported by EDR.

B. California Regional Water Quality Control Board

The California Regional Water Quality Control Board-Santa Ana Region (RWQCB) maintains records of leaking underground storage tank sites and groundwater cleanups for sites in the Santa Ana Region. Records held by the RWQCB were accessed by EDR during the government database search. No listings for the subject site were reported by EDR.

C. GeoTracker

The GeoTracker website maintains a record of environmental data for regulated facilities in California. Based upon our internal review, no database listings for the subject site were reported on GeoTracker. The Crafton-Redlands Groundwater Plume was mapped underlying the subject property. This plume is discussed above in the *Previous Reports* section above. The memorandum documenting this inquiry is included in Appendix B.

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

According to the California Division of Oil, Gas, and Geothermal Resources (DOGGR), there are no active or abandoned oil, or gas wells located on the subject site, and the subject site is not within the boundaries of an oil field. Further, there were no indications of any such wells found during our reconnaissance of the subject site. A copy of the review is included in Appendix B.

E. Department of Toxic Substances Control

The online database EnviroStor (DTSC, 2019), which provides records on LUSTs, SLICs, Priority cleanup sites and states sites, is maintained by the Department of Toxic Substances Control (DTSC). No database listings for the subject site were reported on EnviroStor. The memorandum documenting this inquiry is included in Appendix B.

The Crafton-Redlands Area was identified on the Envirostor database map, at a distance of approximately 4 miles east of the subject property. Although not within a typical radius distance search area, this facility has affected groundwater in the Bunker Hill sub-basin which underlies the subject property. The site is an area of groundwater contamination consisting of approximately 19 square miles. In the past 6 years, the city of Redlands has taken 6 domestic wells offline due to TCE, tetrachloroethane (PCE) and dibromochloropropane (DCBP) contamination. There is no known exposure at this time. The RWQCB and Lockheed Martin have conducted investigations in an effort to identify the source of contamination. One source may be an old burn pit at the Lockheed Martin facility. Additional information regarding this plume is discussed in the *Previous Reports* section above. The memorandum documenting this inquiry is included in Appendix B.

F. National Pipeline Mapping System

Petra reviewed the National Pipeline Mapping System (NPMS, 2019) public viewer website for gas transmission pipelines and hazardous liquid trunklines on or close to the subject property. Due to security purposes, close-up map views are not available. According to the information reviewed, no pipelines appear to be located on the subject property or immediately adjacent. A copy of this map is included in Appendix B.

Vapor Migration

Standard revisions presented in ASTM E1527-13, considers the assessment of vapor migration similar to that of groundwater contamination. As a result, Petra reviewed documentation regarding surrounding sites near the subject property with known soil and groundwater contamination to preliminarily evaluate potential areas of concern for vapor migration/encroachment onto the subject property. An area of concern typically includes active or abandoned gas stations and dry cleaners, industrial facilities, and hazardous waste disposal and landfill facilities with known or suspected soil and/or groundwater contamination.

In the absence of specific criteria within ASTM Standard E1527-13, Petra considered the linear distance and groundwater gradient guidelines provided in ASTM E2600-15 (Tier 1 Areas of Concern) as a reasonable screening tool for vapor migration to identify a recognized environmental condition (REC) associated with the subject site (ASTM, 2010; Buonicore, 2014).

For vapor encroachment to represent a potential for vapor intrusion to structures within the subject property, vapors must have a pathway to create an indoor air quality condition (i.e., Recognized Environmental Condition). Petra assessed the potential for vapor migration onto the subject property from the Crafton-Redlands Groundwater Plume. A Fourth Quarter 2016 Data Report (Tetra Tech, Inc., 2017), referred to the purpose of the report to monitor groundwater quality, specifically trichloroethene (TCE) and perchlorate concentrations at water supply wells owned by water purveyors in the Bunker Hill Groundwater Basin. Results indicated three monitoring wells in relative proximity to the subject property were sampled and reported: Well COR Orange Street is mapped near the north end of Orange Street (south side of the Santa Ana River); Williams Wells mapped west of the intersection of Pioneer Street and Texas Street; and COR#31-A located on Texas Street south of San Bernardino Avenue. Results of TCE and perchlorate analytical results reported that groundwater monitoring wells mapped in the vicinity of the subject property did not contain TCE concentrations at or above the Maximum Contaminant Level (MCL) of 5 micrograms per liter ($\mu\text{g/L}$). Additionally, these wells were not reported to contain perchlorate concentrations at or above the MCL of 6 $\mu\text{g/L}$. Based upon the depth to groundwater (which is greater than 100-200 feet below grade [fbg]) and the concentrations of contaminants which have been reported to be sufficiently low as to

not present a health risk to future residents, The Crafton-Redlands plume is not considered to represent a concern in regards to vapor encroachment on to the subject site at this time.

No other surrounding sites have been identified during this assessment which would appear to represent a concern in regards to vapor encroachment on to the subject site at this time.

Evaluation of Records Search Results

In summary, no sites were identified in our search of various government agency database records, which appear to have impacted soils beneath the proposed residential development at this time. The subject site, however, is geographically located within the Crafton-Redlands Plume boundary, a trichloroethylene (TCE) groundwater plume. The Crafton-Redlands plume is located in the eastern and central portion of the Bunker Hill Groundwater Basin in San Bernardino County, California. Although groundwater beneath the subject property has been reportedly impacted by known contaminants, the depth to groundwater (greater than 100-200 feet below grade [fbg]) and the concentrations of contaminants are sufficiently low as to not present a health risk to future residents. As a result, the Crafton-Redlands plume represents a de minimis condition to the subject property 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 photographic analysis.

In order to provide a complete updated assessment of historical land usage on and in the vicinity of the subject site, aerial photographs with coverage of the subject site and vicinity were obtained from EDR and viewed by a representative of this firm. Photographs from the years 1930, 1938, 1949, 1953, 1959, 1966, 1968, 1975, 1985, 1989, 1994, 2006, 2009, 2012, and 2016 were provided by 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.

1930, 1938, 1949, 1953, 1959, 1966, 1968 and 1975 Photographs

In the 1930, 1938, 1949, 1953, 1959, 1966, 1968 and 1975 photographs, the site and surrounding land was developed as cultivated groves. Dirt roads were visible along the sides of all the parcels. Texas Street appears as a dirt road east of the site and appears that street improvements were made as early as 1938.

Rural residences appear throughout the surrounding areas. Residential tract development appears to the southeast starting with the 1959 photograph.

1985, 1989, and 1994 Photographs

In the 1985, 1989 and 1994 photographs, the subject site appears generally the same as in the prior photograph and remained developed with cultivated orchards. The surrounding areas are also appear generally the same as in the prior photograph with the exception of some orchards have gone fallow and the 210 Freeway has been constructed just west of the subject site. Also, roads throughout the area have been improved.

2006 Photograph

In the 2006 photograph, the subject site appears generally the same as in the prior photograph and remained developed with cultivated orchards. Throughout the surrounding areas several more orchards have gone fallow. An open pit mine operation appears north of the subject site adjacent the Santa Ana River. New residential development appears to the southeast.

2009 Photograph

In the 2009 photograph, the subject site appears generally the same as in the prior photograph and remained developed with cultivated orchards. Throughout the surrounding areas several more orchards have gone fallow. Citrus Valley High School and Citrus Valley H.S.U.S. Baseball Academy are under construction adjacent the south side of W. Domestic Avenue south of the subject site. A commercial building appears west of the 210 Freeway.

2012 and 2016 Photographs

In the 2012 and 2016 photographs, the site remains developed with cultivated orchards. Construction for Citrus Valley High School and Citrus Valley H.S.U.S. Baseball Academy appears complete. Commercial development continues west of the 210 Freeway.

Historical USGS Topographic Maps

Petra reviewed the historical USGS topographic maps of the site and vicinity (Anaheim Quadrangle) provided by EDR (Target Quad's: 1899, 1901, 1954, 1967, 1973, 1980, 1988, 1996 and 2012. No land use is shown for the subject site on the historical topographic maps for 1899 and 1901. The site was depicted as developed with orchards in historical topographic maps from 1954 through 2012. These maps generally support observations made from the aerial photographs reviewed. Copies of the maps reviewed are provided in Appendix C.

Environmental Liens & Activity and Use Limitations

Environmental Liens and Activity and Use Limitations (AUL) indicate restrictions on a property, which may represent a recognized environmental condition for the subject site. A search for Environmental Liens and AULs was conducted by EDR as part of this assessment. The subject property consists of 5 parcels designated as APN 016-031-002, -004, -005, -006 and -016. For the purpose of this report, the five APN’s were used for the search. The results from this search indicated that there were no recorded Environmental Liens or AULs listed for the parcels. Eight deeds were found, consisting on Deeds 1-1, 1-2, Deed 2, Deeds 3-3, 3-4, 3-5, 3-6 and 3-7. A summary of the findings is provided in the table below. A copy of the lien and AUL search report is provided in Appendix C.

SUMMARY OF ENVIRONMENTAL LIEN AND AUL SEARCH			
Deed Designation⁽³⁾	Assessor’s Parcel Number	Title Vested In	Deed Recorded
1-1	0167-031-02, -04 & -16 ⁽¹⁾	Rossmore Enterprises	12-29-1992
1-2	0167-031-02, -04 & -16 ⁽¹⁾	Fraser Properties LLC	11-1-2002
2	0167-031-06	Carla Collins Clark	8-5-2016
3-3	0167-031-05-0000 & 0167-031-07-0000 ⁽²⁾	David & Nikki Young Lebow, Trustees	1-16-2019
3-4	0167-031-05-0000 & 0167-031-07-0000 ⁽²⁾	Max Lebow, Trustee	3-26-2018
3-5	0167-031-05-0000 & 0167-031-07-0000 ⁽²⁾	Myra Lebow	2-15-1983
3-6	0167-031-05-0000 & 0167-031-07-0000 ⁽²⁾	Elihu Lebow	2-15-1983
3-7	0167-031-05-0000 & 0167-031-07-0000 ⁽²⁾	Marilyn Stack	3-5-2007

Notes: (1) Legal Current Owner – Rossmore Enterprises Fraser Partner Properties LLC
(2) Legal Current Owner – David & Nikki Young Lebow Trustees Max Lebow Trustee Myra Lebow Trustee etal
(3) EDR Report, Appendix C

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 were requested for this assessment. EDR reports that fire insurance maps covering the target property were not found. The memorandum documenting this inquiry is included in Appendix C.

City Directory Abstract

City Directories provide information for a specific address at a specific time. A search of city directories, dating back to 1965 was conducted by EDR for this assessment. The search was conducted for the target property street and cross streets. No listings, which would indicate a potential concern for the subject site based on the name of the listing, was included in the EDR-City Directory Image Report. A copy of this search is presented in Appendix C.

EDR Property Tax Map Report

The EDR Property Tax Map Reports the Assessor Parcel Numbers for the site are APN's 0167-031-16; -02; -04; -05; -06; and -07. A copy of the EDR report is provided 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. A search of building permits was conducted by EDR for this assessment. There were no permits found for the target property and adjoining properties. A copy of this search is presented in Appendix C.

Interviews

Petra provided an interview questionnaire to the client, Mr. Matt Maehara. The Interview Questionnaire was forwarded to Mr. Phil Sirianni, President of Rossmore Enterprises and owner of the property. A summary of the response to questions is provided below. According to Mr. Sirianni, he has good knowledge regarding the current uses and physical characteristics of the property. Mr. Sirianni also noted that he does not have good knowledge regarding the uses and physical characteristics or activities/processes conducted at the property. Mr. Meserve also provided the following:

1. To the best of Mr. Sirianni's knowledge, the current and past use of the property was an orange grove for the past 50 years.
2. To the best of Mr. Sirianni's knowledge, there are no hazardous substances or petroleum products present of the site.
3. To the best of Mr. Sirianni's knowledge, there are no sumps, oil wells, underground storage tanks, aboveground storage tanks, chemicals, lead-based paint or asbestos-containing materials currently of previously on the property or any nearby properties.
4. To the best of Mr. Sirianni's knowledge, there are no water wells, clarifiers or disposal wells on the site; however, there are underground irrigation systems on the property. Mr. Sirianni noted that there is an offsite well used for irrigation of the orange groves.

5. To his knowledge, there are no notices or other correspondence from any government agency relating to past or current violations of environmental laws.
6. To his knowledge, there are no pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject site.
7. To his knowledge, there are no notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

On March 25, 2019, Mr. Charles Hills with Larry Jacinto Farms was contacted by phone by Petra regarding pesticide and herbicide use to the grove. Mr. Hills noted that they use various pesticides but do not use any organophosphate pesticides. Application of pesticides typically occur three times per year via speed sprayers directly to the trees. Roundup is the typical herbicide used within the grove. Both pesticide and herbicide products are stored in a locked trailer and transported to the grove as needed. There is no storage of these products onsite.

Mr. Hills also noted that the wind machines currently or previously located on the property were gasoline powered and have not been used in over 20 years. Mr. Hills indicated that the aboveground fuel storage tanks (ASTs) are located in the towers.

Client Knowledge

In compliance with AAI, Petra sent a Client Questionnaire to the client, Mr. Matt Maehara, regarding his knowledge of the subject site. A brief summary of the pertinent questions is provided below.

1. According to Mr. Maehara, he does not have any specialized knowledge or experience related to the property or nearby properties.
2. According to Mr. Maehara, the purchase price being paid for the property reasonably reflects fair market value of the property.
3. According to Mr. Maehara, he is 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. He noted the site has been orange grove for the past 50 years.
4. According to Mr. Maehara, based on his 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 failures and/or 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 city directory search, a review of historical aerial photographs and historical USGS topographic maps, fire insurance maps and interviews with people knowledgeable about the site. Some of the gaps between aerial photographs and topographic maps exceeded 10 years. There were no building permits found for the target property and adjoining properties, and EDR reports that fire insurance maps covering the target property were not found.

Data failures/data gaps exist in the historic information reviewed. These gaps are due to the limited resources available, which are reasonably ascertainable and practically reviewable in the local area. It is our opinion, however, that if additional historic information were to become available, it is not likely to change the conclusions or recommendations of this assessment.

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 on the subject site.

Regulatory Actions

Based upon a search of available federal, state, and local records, no known current regulatory action is pending with respect to the subject site at this time.

Adjacent and Nearby Properties

In summary, no sites were identified in our search of various government agency database records, which appear to have impacted soils beneath the proposed residential development at this time. The subject site, however, is geographically located within the Crafton-Redlands Plume boundary, a trichloroethylene (TCE) groundwater plume. The Crafton-Redlands plume is located in the eastern and central portion of the Bunker Hill Groundwater Basin in San Bernardino County, California. Although groundwater beneath the subject property has been impacted, the depth to groundwater (greater than 100-200 feet below grade [fbg]) and the concentrations of contaminants are sufficiently low as to not present a health risk to future residents. The Crafton-Redlands plume represents a de minimis condition to the subject site at this time.

Polychlorinated Biphenyls (PCB's)

No pole-mounted transformers and no pad-mounted ground transformers were observed during the site reconnaissance. As a result, no structures that appeared to contain PCB's were observed onsite during our site reconnaissance.

Underground Fuel Storage Tanks

No underground fuel storage tanks (USTs) were observed onsite during our site reconnaissance. Readily available documents reviewed by Petra (described herein) indicate that there are not records of AST's on the subject property. Based upon this Phase I ESA, there is no known fuel ASTs located on the subject property at this time.

Aboveground Fuel Storage Tanks

No aboveground fuel storage tanks (ASTs) were observed onsite during our site reconnaissance; however, discussions with the former grove operator, Mr. Charles Hills with Larry Jacinto Farms, indicated that aboveground gasoline tanks are located in the wind machine towers. Readily available reports and documents reviewed by Petra (described herein) indicate that there are not records of AST's on the subject property. Based upon our recent site reconnaissance, however, there are two remaining wind machine towers on the subject property that contain fuel ASTs.

Four (4) discreet samples collected near the based on the wind machines were tested for either Total Petroleum Hydrocarbons (TPH). No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range. One sample HA-3@ 0.5 ft. contained concentrations of C11-C22 Diesel Range of 195 milligrams per kilograms (mg/kg) and C23-C35 Motor Oil Range of 97.7 mg/kg. The concentration of C11-C22 Diesel Range of 195 mg/kg was found to exceed the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB) 2013 Tier 1 Environmental Screening Level (ESL) of 100 mg/kg. The concentration of C23-C35 Motor Oil Range of 97.7 mg/kg was below the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB) 2013 Tier 1 Environmental Screening Level (ESL) of 100 mg/kg. As a result, soil residues exceeding ESL values for C11-C22 Diesel Range are not considered suitable for re-use as fill within future residential development.

Storm Water/Waste Water Discharge

At this time, storm water discharge from the site appears to be limited to surface water runoff. No obvious sign of waste water discharge was observed during the site reconnaissance.

Pesticide and Herbicide Residues

Based on the use of the site for agricultural orchards from at least 1930, Petra conducted a Limited Phase II Environmental Site Assessment to evaluate near surface site soils. The samples were analyzed for Organochlorinated pesticides (OCP's) and certain samples were also analyzed for Total Petroleum Hydrocarbons by Enviro-Chem, Inc. a State-Certified laboratory.

Sixteen (16) discreet and two (2) duplicate soil samples collected at a depth of 0.5 foot were tested for Organochlorinated Pesticides (OCPs) according to EPA Method 8081A. Fifteen (15) samples contained concentrations of 4-4'DDE that ranged from 0.002 milligrams per kilograms (mg/kg) to 0.278 (mg/kg). All detectable concentrations of DDE were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 2.0 mg/kg for DDE residential use soils.

Seven (7) sample contained concentrations of Dieldrin of 0.001 milligrams per kilograms (mg/kg). All detectable concentrations of DDT were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 1.9 mg/kg for DDT residential use soils.

One (1) samples contained concentrations of 4-4'DDT that ranged from 0.003 milligrams per kilograms (mg/kg) to 0.131 (mg/kg). The detectable concentration of Dieldrin was found to be below the California Human Health Screening Levels (CHHSLs) of 0.035 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 0.034 mg/kg for DDT residential use soils.

No other analytes were reported at concentrations above the laboratory detection limit. The laboratory test results are listed within Table 1 and copies of the official laboratory reports and chain-of-custody records are included in Appendix A.

Asbestos-Containing Materials

No permanent structures were observed on the property during our recent site reconnaissance. No potential asbestos-containing materials were observed on the site and no information was found which indicated the use, storage, or disposal of asbestos-containing materials on the site.

Lead-Based Paints

No permanent structures were observed on the property during our recent site reconnaissance. No potential lead-based materials were observed on the site and no information was found which indicated the use, storage, or disposal of lead-based paint on the site.

Landfills

The EDR report does not list any known landfills within the search radius conducted for this assessment. Therefore, landfills do not appear to represent a recognized environmental condition with regards to the subject site.

Water Supplies

One water well was observed near the southeast corner of the subject site formerly used to supply water to the orchards. In the event the well is not intended for future use, it is recommended that the well be abandoned in accordance with the California Well Standards as published by the California Department of Water Resources (Bulletins 74-81 and 74-90), with oversight provided by the appropriate agencies.

Waste Generation and Storage

No waste generation was observed onsite during our site reconnaissance; however, multiple areas of trash and debris were observed within the subject property. The largest areas of trash and debris were observed in the vicinity of homeless encampments within the western portion of the site. None of the trash and debris appeared to be hazardous in nature; however, the debris was not disturbed. Stockpiles of weed and tree cuttings were observed within several areas of the site. Minor amounts of wind-blown debris were observed throughout the site. It is recommended that all debris and trash observed on the site be removed and disposed in accordance with current local, state and federal disposal regulations.

FINDINGS

General Site Information

1. The subject site is comprised of six non-contiguous parcels totaling approximately 46±-acres essentially covered by a former citrus orchard. The westerly portion of the site is rectangular shaped and comprised of two parcels with APN's 016-703-116 and 016-703-02. The eastern portion is located approximately 150 feet± to the east. This portion of the site is comprised of four parcels with APN's 016-703-04, 106-703-05, 016-703-06 and 016-703-07. Both portions of the property are located adjacent the north side of West Domestic Drive, east of Highway 210, and west of Texas Street in the city of Redlands, San Bernardino County, California. A site location map is included as Figure 1.

2. Vehicular access to the subject property from Texas Street is via West Domestic Drive which is an unimproved dirt road along the southern boundary of the site. Access is also via an unnamed dirt road along the north property boundary. The site is essentially covered by citrus orchards. The property is also located north-northwest of Citrus Valley High School and across West Domestic Drive. A drainage bounds the western edge of the subject property, with the 210 Freeway easement beyond. North of the subject parcels are citrus groves and vacant land. The site slopes gently to the west-northwest with existing elevations on the order of approximately 1,261± feet above mean sea level (msl) along the northwestern edge of the site, to 1,294± feet above msl along the southeast portion of the site (USGS, 2012).
3. Based on information obtained during this assessment, the site appears to have been used for agricultural groves since at least 1939. Historical information reviewed during this assessment includes aerial photographs (dating back to 1930), USGS topographical maps (dating back to 1899), environmental lien search and interviews. EDR indicates that fire insurance maps covering the target property were not found.
4. The six subject parcels contain orange trees in various stages of age and health. Localized clusters of well-developed weeds were noted. At the time of our recent site reconnaissance most of the trees contained fruit and the ground surrounding the trees were covered with fruit. Short concrete risers throughout the groves marked the location of water valves. The irrigation system consisted of small diameter flexible plastic tubing with either drip or spray applicators. Homeless encampments were noted in at least two areas along the western portion of the subject property. Near these encampments were the largest concentration of dumped trash and debris in or along the south edge of the drainage in the northwest portion of APN's 0167-031-02 and -16. There were no visible signs of this debris containing hazardous substances, however, the trash was not disturbed. A few other areas of dumped debris was noted near dirt roads between the parcels containing ceramic tiles, carpet, lumber, interior vehicle parts, clothing, concrete block, drywall, and concrete slab fragments. Also scattered within the groves were remnants of clay and concrete pipe, fragments of smudge pots, and to a lesser extent wind-blown trash.
5. Three wind machine towers were observed within the subject site. One machine, located in APN 0167-031-05, contains a motor on the top platform. Piping near the base suggests an aboveground fuel tank was present at one time. Minor staining was observed around the base of the wind machine. The second machine, located in the north portion of APN 0167-031-02, does not contain a motor but the propeller remains. A homeless encampment was found around the base of the third wind machine tower located in the south portion of APN 0167-031-02. Minor staining was observed around the base of the wind machine. A discussion with the former grove operator, Mr. Charles Hills with Larry Jacinto Farms, indicated that the wind machines were gasoline-powered. These machines have not been in use for approximately 20 years. Mr. Hills stated that the aboveground fuel storage tanks are inside the towers.

Hand auger borings were placed in the minor soil stained areas near the concrete base of all three wind machine areas. Detectable levels of Total Petroleum Hydrocarbons (TPH) in the diesel and motor oil range were reported only at the base where the tower had been removed. The TPH-diesel concentration in HA-3 at a depth of 0 to 0.5 feet was 195 milligrams per kilogram (mg/kg). The TPH-motor oil concentration in HA-3 at a depth of 0 to 0.5 feet was 97.7 milligrams per kilogram (mg/kg). Typical screening levels for residential land use for these TPH's is 100 mg/kg. These soils will require excavation and removal from the property. Additional information is provided the limited Phase II section of this report.

6. One water well was observed near the southeast corner of the subject property. It is our understanding that this well was used to supply water to the orchards; however, it appears to be inactive. Based upon a discussion with Mr. Charles Hills (Larry Jacinto Farms), this well is not within the subject property.
7. Wooden power poles with overhead lines were located offsite, along the south side of Domestic Avenue and along the east edge of the subject property. None of the poles contain pole-mounted transformers.
8. There was no evidence of sumps, pits, pools, or lagoons identified during our site reconnaissance.
9. No sites were identified in our search of various government agency database records, which appear to have adversely impacted the soils, groundwater or soil vapor beneath the subject parcels at this time; however, the subject property is located within the Crafton-Redlands Plume boundary, a groundwater plume with known trichloroethylene (TCE) contamination. Although the boundary of the plume varies in publications, groundwater monitoring wells associated with the plume extends from the former Lockheed Martin facility (1500 Crafton Avenue) in northeast Redlands (approximately 4 miles east-northeast of the subject property) west to beyond the 215 Freeway/Interstate 10 interchange.
10. Groundwater monitoring wells associated with the Crafton-Redlands Groundwater Plume are mapped near the east site boundary, in the vicinity of Dearborn Street. In addition multiple monitoring wells were mapped surrounding the subject property and throughout the Redlands area. The Lockheed Martin Nested Monitoring Wells Dearborn MW-A/B/C was identified as key sentry wells to down-gradient production wells in the Bunker Hill Groundwater Basin. Statistical analysis of 30-31 samples collected (2008-2015) from each of the 3 Dearborn wells reported an average perchlorate concentration of 5.0 micrograms per liter ($\mu\text{g/L}$) in Dearborn A; 10 $\mu\text{g/L}$ in Dearborn B; and 7.8 $\mu\text{g/L}$ in Dearborn C. Maximum concentrations overall ranged from 9.7 to 22 $\mu\text{g/L}$. Statistical trends reported that perchlorate concentrations are decreasing in Dearborn Wells B and C, and stable in Dearborn Well A. For comparison purposes, the Maximum Contaminant Level (MCL) for perchlorate is 6 $\mu\text{g/L}$. TCE concentrations were listed as non-detect (ND) in 30-31 samples. For TCE the MCL is 5 $\mu\text{g/L}$.

In 2015 and 2016 three monitoring wells in relative proximity to the subject property were sampled and reported: Williams Well (Pioneer Street), COR Orange Street (Orange Street) and COR#31-A (Texas Street south of San Bernardino Avenue). Results of TCE and perchlorate analytical results reported that groundwater monitoring wells mapped in the vicinity of the subject property did not contain TCE concentrations at or above the Maximum Contaminant Level (MCL) of 5 micrograms per liter ($\mu\text{g/L}$) in 2015 through 2018. Additionally, these wells were not reported to contain perchlorate concentrations at or above the MCL of 6 $\mu\text{g/L}$, except COR#31-A in 2015. Wells containing contaminant levels above MCLs appear to be located south of San Bernardino Avenue.

Although groundwater beneath the site has been impacted, based on the 2015 and 2016 measured depths to groundwater (greater than 100-200 feet below grade [fbg]), the concentrations of contaminants are reported to be sufficiently low (below MCLs in close proximity to the site) as to not present a health risk to future residents. Further, because of the known presence of groundwater contamination, the Regional Water Quality Control Board will more than likely not identify future site owners as Responsible Parties. Strict definition of the Crafton-Redlands plume warrants it to be labeled as a Controlled Recognized Environmental Condition (see definition below); however, depth to groundwater and decreasing contamination levels below drinking water Maximum Contaminant Levels (MCLs), the plume underlying the site is considered as a de minimis condition.

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

Based on the use of the site for agriculture purposes from at least 1930 until the present, Petra conducted a Limited Phase II Site Assessment to evaluate shallow, near surface, site soils.

To evaluate soil residues within the site, a total of 15 borings (HP-1 through HP-15) were advanced to a depth of 3.5 feet below ground surface (bgs) utilizing a direct-push rig. Five (5) hand-auger borings (HA-1 through HA-5) were also advanced to a depth of 3.5 feet bgs. Soil samples were collected from depths of 0.5 foot, 1.5, and 3.0 feet. The 0.5-foot samples were discretely analyzed for Organochlorine Pesticides (OCPs) according to Environmental Protection Agency (EPA) Test Method 8081A; ten percent (2) of the samples were tested for Chlorinated Herbicides using EPA Method 8151A; and four (4) samples were analyzed for Total Petroleum Hydrocarbons (TPH) – Carbon Chain using EPA Method 8015B. The remaining deeper soil samples were archived by the laboratory for future testing in the event elevated levels of the aforementioned constituents were detected.

All soil samples analyzed during this assessment were analyzed by Enviro-Chem, Inc. (ECI) in Pomona, California. ECI is accredited by the California Environmental Protection Agency, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). Analyses were requested on a chain-of-custody record. Below is a discussion of the laboratory results.

To evaluate soil residues within the site, a total of 15 borings (HP-1 through HP-15) were advanced to a depth of 3.5 feet below ground surface (bgs) utilizing a direct-push rig. Five (5) hand-auger borings (HA-1 through HA-5) were also advanced to a depth of 3.5 feet bgs. Soil samples were collected from depths of 0.5 foot, 1.5, and 3.0 feet. The 0.5-foot samples were discretely analyzed for Organochlorine Pesticides (OCPs) according to Environmental Protection Agency (EPA) Test Method 8081A; ten percent (2) of the samples were tested for Chlorinated Herbicides using EPA Method 8151A; and four (4) samples were analyzed for Total Petroleum Hydrocarbons (TPH) – Carbon Chain using EPA Method 8015B. The remaining deeper soil samples were archived by the laboratory for future testing in the event elevated levels of the aforementioned constituents were detected.

All soil samples analyzed during this assessment were analyzed by Enviro-Chem, Inc. (ECI) in Pomona, California. ECI is accredited by the California Environmental Protection Agency, Department of Health Services Environmental Laboratory Accreditation Program (ELAP). Analyses were requested on a chain-of-custody record. Below is a discussion of the laboratory results.

Organochlorinated Pesticides

Sixteen (16) discreet and two (2) duplicate soil samples collected at a depth of 0.5 foot were tested for Organochlorinated Pesticides (OCPs) according to EPA Method 8081A. Fifteen (15) samples contained concentrations of 4,4'-DDE that ranged from 0.002 milligrams per kilograms (mg/kg) to 0.278 (mg/kg). All detectable concentrations of DDE were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 2.0 mg/kg for DDE residential use soils.

Seven (7) samples contained concentrations of 4,4'-DDT ranging from 0.003 milligrams per kilograms (mg/kg) to 0.131 mg/kg. All detectable concentrations of DDT were found to be below the California Human Health Screening Levels (CHHSLs) of 1.6 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 1.9 mg/kg for DDT residential use soils.

One (1) sample contained a detectable concentration of Dieldrin at 0.001 milligrams per kilograms (mg/kg). The detectable concentration of Dieldrin was found to be below the California Human Health Screening Levels (CHHSLs) of 0.035 mg/kg and the USEPA Region 9 Regional Screening Level (RSL) of 0.034 mg/kg for DDT residential use soils.

No other OCP analytes were reported at concentrations above the laboratory detection limit. The laboratory test results are listed within Table 1 and copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

Chlorinate Herbicides

Ten percent of the samples (2) analyzed for Organochlorinated Pesticides (OCPs), were also analyzed for Chlorinated Herbicides. No detectable levels of Chlorinated Herbicides were present in the samples analyzed at a depth of 0.5 foot. laboratory test results are listed within Table 1 and copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

Total Petroleum Hydrocarbons

Four (4) discreet samples were tested for Total Petroleum Hydrocarbons (TPH) carbon chain. No concentrations were detected above the laboratory reporting limit for C4-C10 Gasoline Range. One sample HA-3@ 0.5 ft. contained concentrations of C11-C22 Diesel Range of 195 milligrams per kilograms (mg/kg) and C23-C35 Motor Oil Range of 97.7 mg/kg. The concentrations of C11-C22 Diesel Range of 195 mg/kg were found to exceed the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB, 2013)

Tier 1 Environmental Screening Level (ESL) of 100 mg/kg. The concentrations of C23-C35 Motor Oil Range of 97.7 mg/kg were below the San Francisco Bay Regional Water Quality Control Board (SRBRWQCB) 2013 Tier 1 Environmental Screening Level (ESL) of 100 mg/kg.

As a result, soil residues exceeding ESL values for C11-C22 Diesel Range are not considered suitable for re-use as fill within future residential development. A summary of test results is provided in Table II. Copies of the official laboratory reports and chain-of-custody records are included in Appendix F.

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 agency, 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 this Phase I Environmental Site Assessment and limited Phase II Assessment in conformance with the scope and limitations of ASTM Practice E 1527-13 for Assessor Parcel Numbers (APN's) 0167-031-16, 0167-031-02, 0167-031-04, 0167-031-05, 0167-031-06, 0167-031-07, located east

of 210 Freeway and north of Domestic Avenue, in the City of Redlands, San Bernardino County, California. Any exceptions to, or deletions from, this practice are described in the section titled *Data Failures and Data Gaps* of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property, except for the following:

- The subject property is located within the Crafton-Redlands Plume boundary, a groundwater plume with known trichloroethylene (TCE) contamination. Strict definition of the Crafton-Redlands plume warrants it to be labeled as a Controlled Recognized Environmental Condition; however, based on 2015 and 2016 measured depths to groundwater (greater than 100-200 feet below grade [fbg]), the concentrations of contaminants are reported to be sufficiently low (below MCLs in close proximity to the site) as to not present a health risk to future residents. Further, because of the known presence of groundwater contamination and the source, the Regional Water Quality Control Board will more than likely not identify future site owners Responsible Parties. As a result, the plume underlying the site is considered a de minimis condition.

SITE CONSIDERATIONS

Items, if presented below, are not considered recognized environmental conditions in accordance with ASTM 1527-13. Although these items may warrant consideration in conjunction with any planned development activities, they are not recognized environmental conditions. The information regarding possible actions relative to these items has been provided as guidance.

- Analytical results of one sample, HA-3 at 0.5 foot, reported a concentration of 195 mg/kg total petroleum hydrocarbons in the diesel range. The sample was collected near stained surface soils adjacent to the concrete slab near one of the wind machines that has been removed in the southwestern portion of APN 0167-031-02. Although not considered a significant condition at this time, this concentration exceeds the Environmental Screening Level (ESL) for residential use soils and not suitable to use within a residential development. Impacted soils should be properly excavated and disposed of offsite in accordance with local regulatory agency guidelines.
- Care should be taken when removing the two existing wind machine towers which contain aboveground fuel storage tanks. Although it is our understanding that these machines have not been used for over 20 years, there may be residual gasoline in the tanks. Care should be taken to not spill fuel onto the ground surface. Any spills should be properly cleaned up following local regulatory agency guidelines.
- It is recommended that all vegetation, debris and trash encountered on the site be removed and disposed in accordance with current local regulations.
- With redevelopment of any historically developed agricultural property, a certain amount of unknown conditions in the subsurface should be anticipated (i.e., buried debris and foundations, tree stumps, utility conduits, etc.). Any discolored soils or unanticipated buried objects should be left in place until an experienced environmental professional has had the opportunity to evaluate the conditions and provide recommendations if needed.

LIMITATIONS

This assessment is based upon the project as described and 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 those named or described in this report, additional studies may be required.

Since our assessment is based upon a review of available data, visual assessment of the site, and laboratory testing, 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.

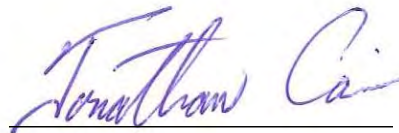
QUALIFICATIONS

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

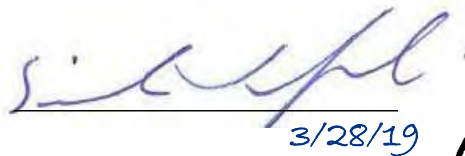
“We the undersigned declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. We have the specific qualification based on education, training, and experience to assess a property of the nature, history, 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.”

Respectfully submitted,

PETRA GEOSCIENCES, INC.



Jonathan Cain
Senior Associate Geologist


3/28/19

Siamak Jafroudi, PhD
Senior Principal Engineer
GE 2024



JC/EL/SJ/iv

Distribution: Addressee (electronic)

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REFERENCES

- _____, 2019c, EDR Historical Topo Map Report, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.4), dated March 11.
- _____, 2019d, The EDR-City Directory Image Report, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.5), dated March 12.
- _____, 2019e, EDR Property Tax Map Report, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.6), dated March 11.
- _____, 2019f, EDR Environmental Lien and AUL Search, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.7), dated March 27.
- _____, 2019g, EDR Building Permit Report, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.8), dated March 11.
- _____, 2019h, The EDR Aerial Photo Decade Package, 46-Acres Redlands, Domestic Avenue, Redlands, CA 92374 (Inquiry No. 05585859.11), dated March 11.
- GeoTracker, 2019, <http://geotracker.swrcb.ca.gov/>.
- Lockheed Martin Corporation, 2017, Quarterly Status Report, Groundwater Monitoring Program, Crafton-Redlands Plume, San Bernardino County, California, Regional Water Quality Control Board Cleanup and Abatement Orders 94-37 and 97-58, as amended by 01-56, dated January 31.
- Matt, J.C., Morton, D.M., Cox, B.F., Kendrick, K.J., 2003, Geologic Map of the Redlands 7.5' Quadrangle, San Bernardino and Riversides, Counties, California, CGS Open-File Report 03-302, Version 1.0.
- National Pipeline Mapping System (NPMS), Public Map Viewer, Website (<http://www.npms.phmsa.dot.gov/PublicViewer/>), accessed April 2019.
- San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), 2013, Environmental Screening Levels, Tier 1, dated December.
- Tetra Tech, Inc., 2019, Fourth Quarter 2018 Data Report, Water Supply Monitoring Plan, Production Well Sampling Program, Crafton-Redlands Plume Project, dated January 17.
- 2017, Fourth Quarter 2016 Data Report, Water Supply Monitoring Plan, Production Well Sampling Program, Crafton-Redlands Plume Project, dated January 18.
- _____, 2015, 2015 Groundwater Monitoring Program, Crafton-Redlands Plume, San Bernardino County, California, dated August 11.
- United States Environmental Protection Agency, 2018, "EPA Region 9 Regional Screening Levels," dated May.
- United States Geological Survey (USGS), 2012, 7.5-Minute Topographic Map, Redlands, California, Quadrangle.

TABLE 1

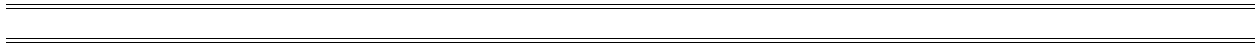
SUMMARY OF OCP'S⁽¹⁾ AND CHLORINATED HERBICIDES TEST RESULTS					
SAMPLE ID	4,4'-DDE (mg/kg)⁽²⁾	4,4'-DDT (mg/kg)	Dieldrin (mg/kg)	Remaining OCP's (mg/kg)	Chlorinated Herbicides (mg/kg)
HA-1@0.5'	0.011	0.003	ND ⁽³⁾	ND	NT ⁽⁴⁾
HP-1@0.5'	0.098	0.044	ND	ND	NT
HP-1@0.5' (dup)	ND	ND	0.001	ND	NT
HP-2@0.5'	ND	ND	ND	ND	ND
HP-3@0.5'	0.004	ND	ND	ND	NT
HP-4@0.5'	0.010	ND	ND	ND	NT
HP-5@0.5'	0.006	0.007	ND	ND	NT
HP-6@0.5'	0.010	0.003	ND	ND	NT
HP-7@0.5'	0.240	ND	ND	ND	NT
HP-8@0.5'	ND	ND	ND	ND	NT
HP-9@0.5'	0.037	ND	ND	ND	NT
HP-10@0.5'	0.038	ND	ND	ND	NT
HP-11@0.5'	0.002	ND	ND	ND	NT
HP-12@0.5'	0.002	ND	ND	ND	NT
HP-13@0.5'	0.005	ND	ND	ND	NT
HP-13@0.5' (dup)	0.106	0.051	ND	ND	NT
HP-14@0.5'	0.278	0.131	ND	ND	NT
HP-15@0.5'	0.069	0.021	ND	ND	ND
Rinsate HP-15@3.0'	ND	ND	ND	ND	ND
Method blank	ND	ND	ND	ND	ND
Residential Soil Screening Level	2.0 ⁽⁵⁾ 1.6 ⁽⁶⁾	1.9 ⁽⁵⁾ 1.6 ⁽⁶⁾	0.034 ⁽⁵⁾ 0.035 ⁽⁶⁾	Variable	Variable

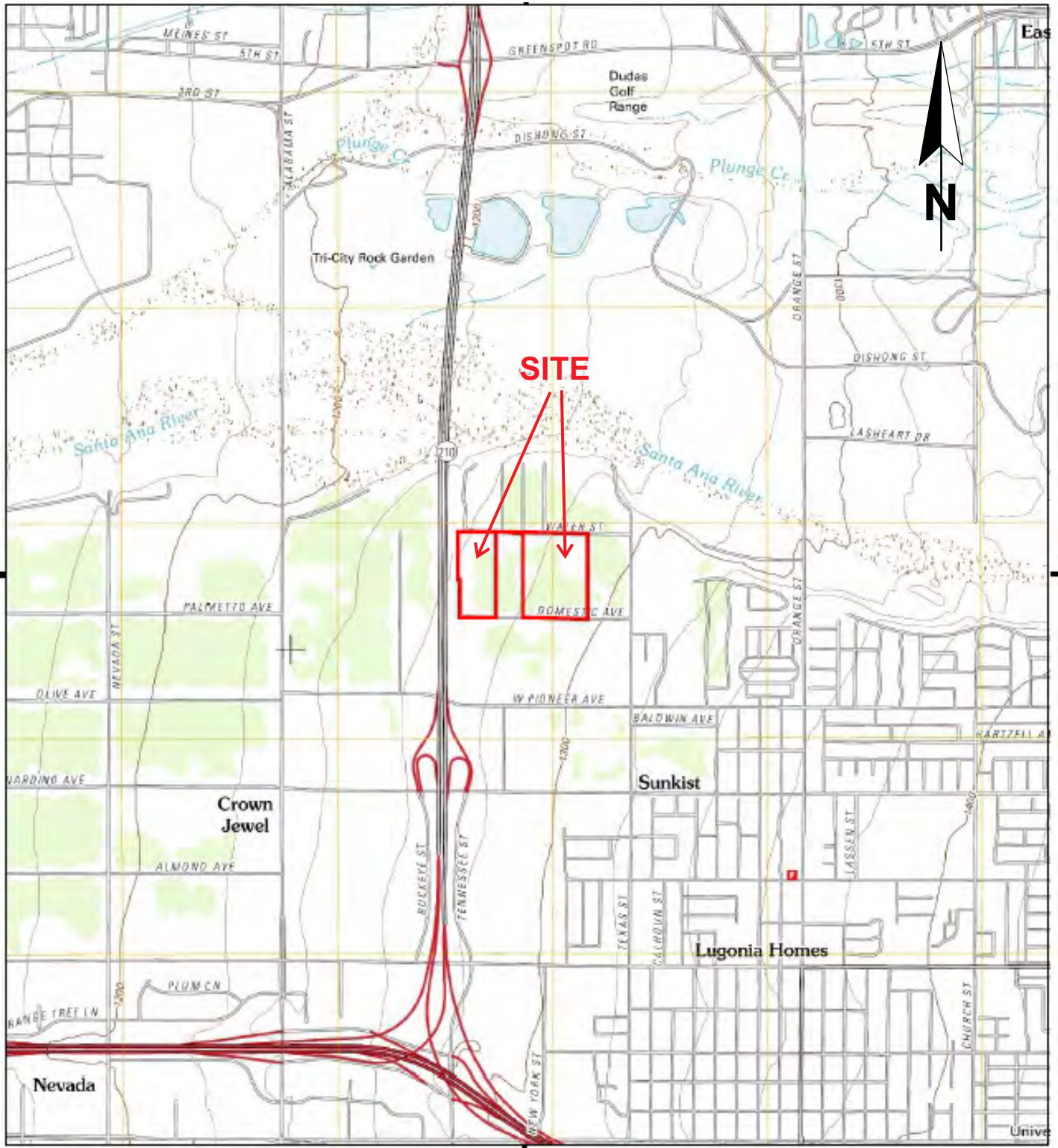
Notes: (1) Organochlorinated Pesticides; (2) milligrams per kilogram; (3) Non-detected or below the practical quantitation limit; (4) Not tested; (5) Regional Screening Levels, RSL's (US EPA, 2018); (6) California Human Health Screening Levels, CHHSLs (DTSC, 2010)

TABLE 2

SUMMARY OF TOTAL PETROLEUM HYDROCARBON-CARBON CHAIN TEST RESULTS				
DATE	SAMPLE ID	TPH⁽¹⁾-gasoline chain (mg/kg)⁽²⁾	TPH-diesel chain (mg/kg)	TPH-motor oil chain (mg/kg)
10-17-2018	HA-2@0.5'	ND ⁽³⁾	ND	ND
10-17-2018	HA-3@0.5'	ND	195	97.7
10-17-2018	HA-4@0.5'	ND	ND	ND
10-17-2018	HA-5@0.5'	ND	ND	ND
Residential Soil Screening Level		100 ⁽⁴⁾	100 ⁽⁴⁾	300 ⁽⁴⁾
Notes: (1) Total Petroleum Hydrocarbons; (2) micrograms per kilogram; (3) Non-detected or below the detection limit; (4) SF Bay RWQCB, 2013, Tier 1 Environmental Screening Levels				

FIGURES





LEGEND



- Approximate Site Location

- Reproduced from Redlands 7.5-minute quadrangle, USGS, 2012



PETRA GEOSCIENCES, INC.

40880 COUNTY CENTER DRIVE, SUITE M
TEMECULA, CALIFORNIA 92591
PHONE: (951) 600-9271

COSTA MESA

MURRIETA

PALM DESERT

SANTA CLARITA

Site Location Map

46-Acre Property on W. Domestic Avenue
Redlands, San Bernardino County, California

DATE: March 2019

J.N.: 18-345

DWG BY: ***

SCALE: NTS

Figure 1



LEGEND



- Approximate Site Location

- Reproduced from Google Earth, 2019 (photo data February, 2018)



PETRA GEOSCIENCES, INC.

40880 COUNTY CENTER DRIVE, SUITE M
TEMECULA, CALIFORNIA 92591
PHONE: (951) 600-9271

COSTA MESA

MURRIETA

PALM DESERT

SANTA CLARITA

Site Aerial Photograph

46-Acre Property off W. Domestic Avenue
Redlands, San Bernardino County, California

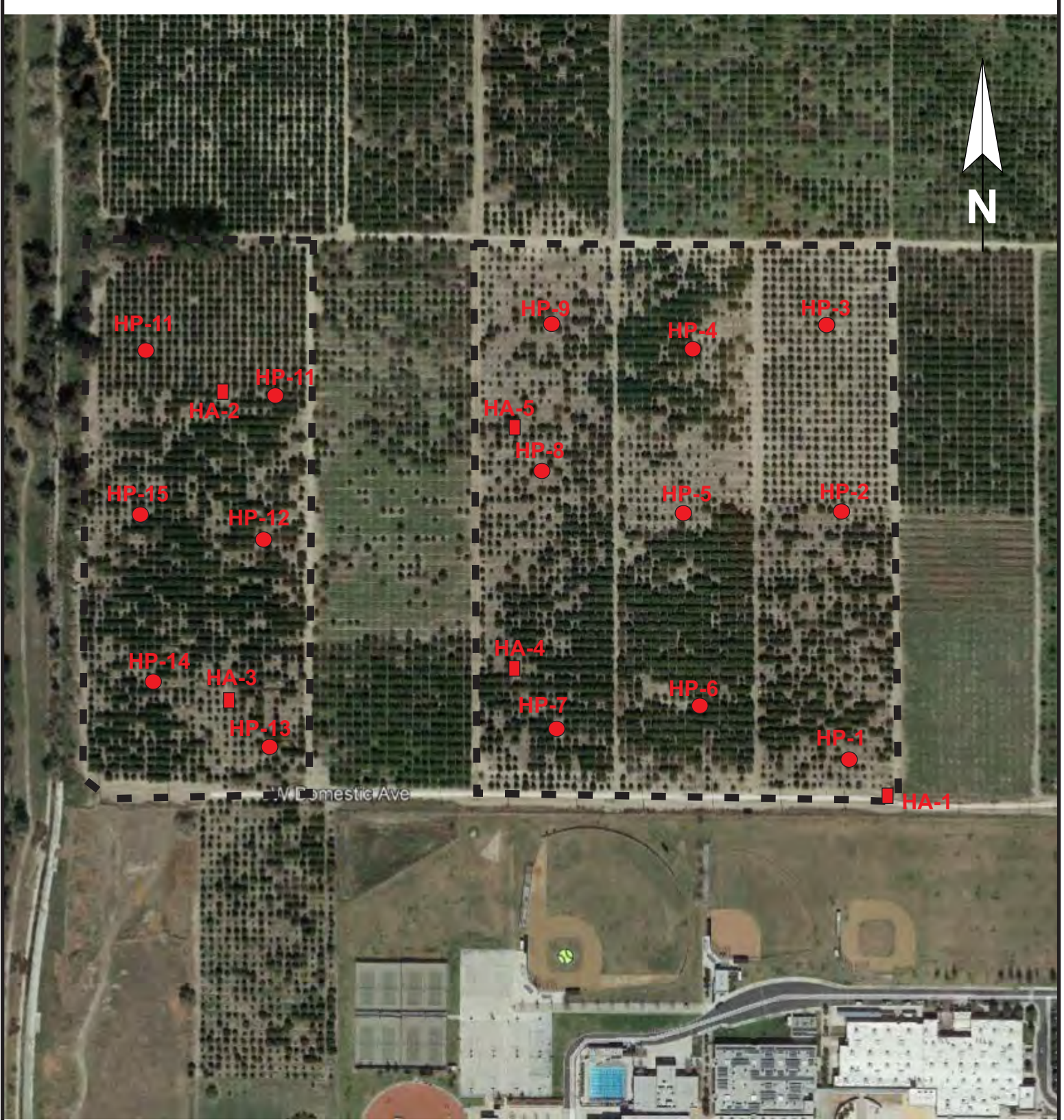
DATE: March 2019

J.N.: 18-345

DWG BY: ***




SCALE: NTS

Figure 2



- Reproduced from Google Earth, 2019 (photo data February, 2018)

LEGEND

-  - Approximate Site Limits
-  **HP-15** - Approximate Direct Push Sample Location
-  **HA-4** - Approximate Direct Push Sample Location



PETRA GEOSCIENCES, INC.

40880 COUNTY CENTER DRIVE, SUITE M
TEMECULA, CALIFORNIA 92591
PHONE: (951) 600-9271

COSTA MESA MURRIETA PALM DESERT SANTA CLARITA

Phase II Sample Location Map

46-Acre Property off W. Domestic Avenue
Redlands, San Bernardino County, California

DATE: March 2019

J.N.: 18-345

DWG BY: ***

SCALE: NTS

Figure 3

APPENDIX A

SITE PHOTOGRAPHS



South view along the west edge of APN 0167-031-04. Subject property is in the right portion of the photo.



View to the east of wind machine in western area of APN 0167-031-04. Note engine on upper platform.



View of typical trash/debris dumped along the northern edge of the northwest portion of the subject site.



View of the northwest corner of the subject property showing debris associated with a homeless camp.



View to the north of trash/debris dumped within groves in the northwest corner of the subject property.



View to the west of dumped debris in the southwestern portion of the subject property.



East view of wind machine tower in the southwest portion of the site. Note homeless camp at base.



View of typical conditions within interior of groves in eastern portion of the site. Note concrete valve cans.



Northerly view of idle water well near the southeast corner of the subject property.



North view of power lines along the west edge of the subject property.

APPENDIX B

AGENCY SEARCH RESULTS

Data Viewer

Department of Conservation Data Viewer

Legend:

- Well Types:**
 - New
 - Active Producer
 - Active Injector
 - Dry Hole
 - Plugged
 - Geothermal
 - Notice & Permit
 - Enhanced Oil Recovery
 - Disposal

Geologic Map:

Bookmarks:

Sacramento T01S R04W

Add Bookmark



Oil & Gas Related Data & Maps

Type here to search

GEOTRACKER

Sites and Facilities - INFO

- Cleanup Sites
 - LUST Cleanup Sites
 - Cleanup Program Sites
 - Military Cleanup Sites
 - DTSC Cleanup Sites
- Permitted Facilities
 - Waste Discharge Requirements (WDR) Sites
 - Permitted USTs - INFO
 - DTSC Hazardous Waste Sites
 - Land Disposal Sites
 - Inland Lands Regulatory Program Sites
 - Oil / Gas Sites
 - Confined Animal Sites
- Other Sites
 - Project Sites
 - Non-Case Information Sites
 - Sampling Points - Public
 - Field Points

SIGNIFIES A CLOSED SITE

Tools

Map Coverages

TAKE A TOUR | VIEW ON GAMA

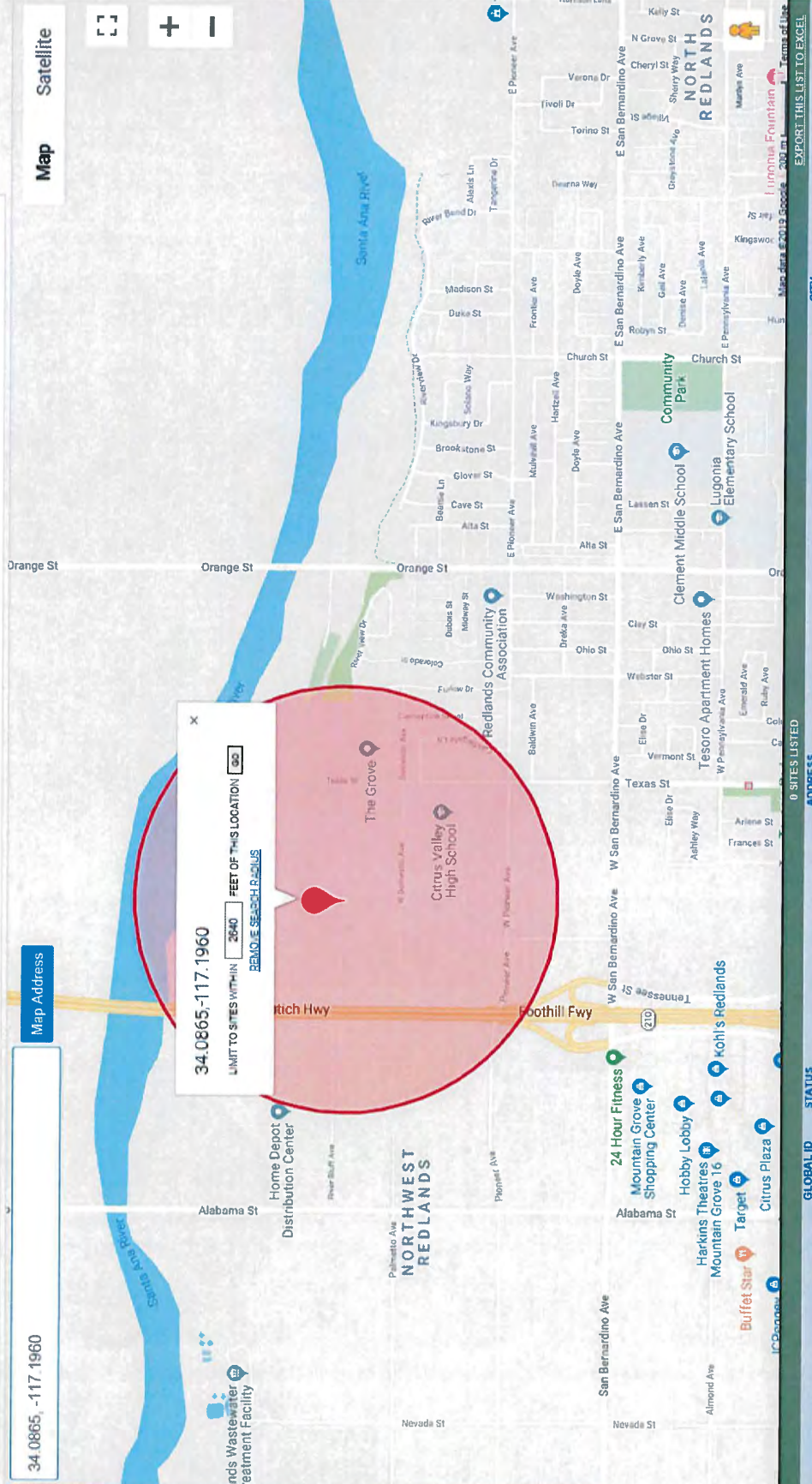
34.0865, -117.1960

Map Address

34.0865,-117.1960

LIMIT TO SITES WITHIN FEET OF THIS LOCATION

REMOVE SEARCH RADIUS



ENVIROSTOR

Sites and Facilities

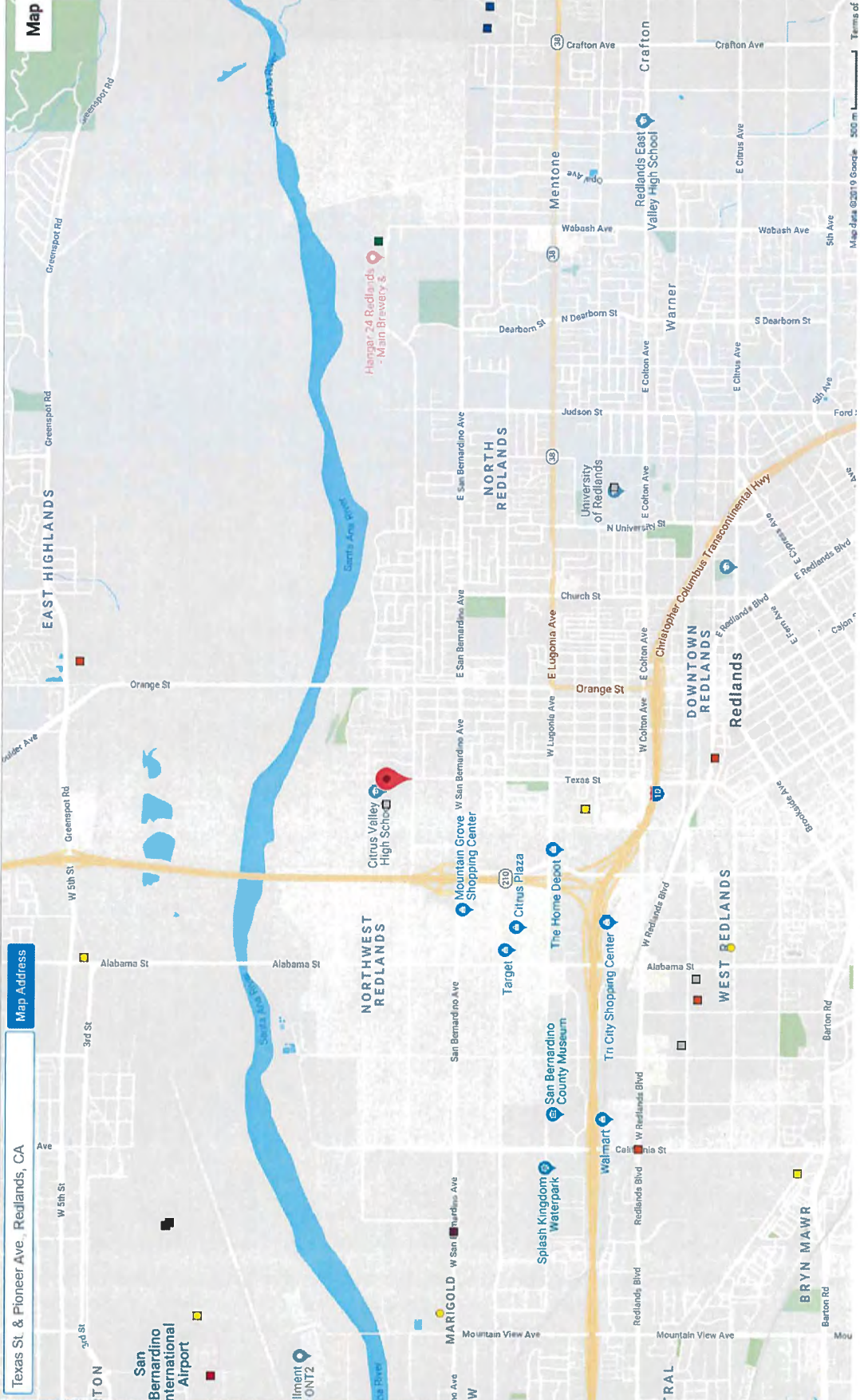
- Cleanup Sites
 - Federal Superfund
 - State Response
 - Voluntary Cleanup
 - School Cleanup
 - Evaluation
 - School Investigation
 - Military Evaluation
 - Tiered Permit
 - Corrective Action
- All Statuses

STATUS

- Permitted Sites
 - Operating
 - Post-Closure
 - Non-Operating
- Other Sites
- GIS Layers

Tools

ENVIROSTOR SHARE THIS MAP



ENVIORSTOR

Sites and Facilities

- Cleanup Sites
 - Federal Superfund
 - State Response
 - Voluntary Cleanup
 - School Cleanup
 - Evaluation
 - School Investigation
 - Military Evaluation
 - Tiered Permit
 - Corrective Action
- STATUS: All Statuses
- Permitted Sites
 - Operating
 - Post-Closure
 - Non-Operating
- Other Sites
- GIS Layers

Tools

TAKE A TOUR | SHARE THIS MAP

Map Address: 34.0865, -117.1960

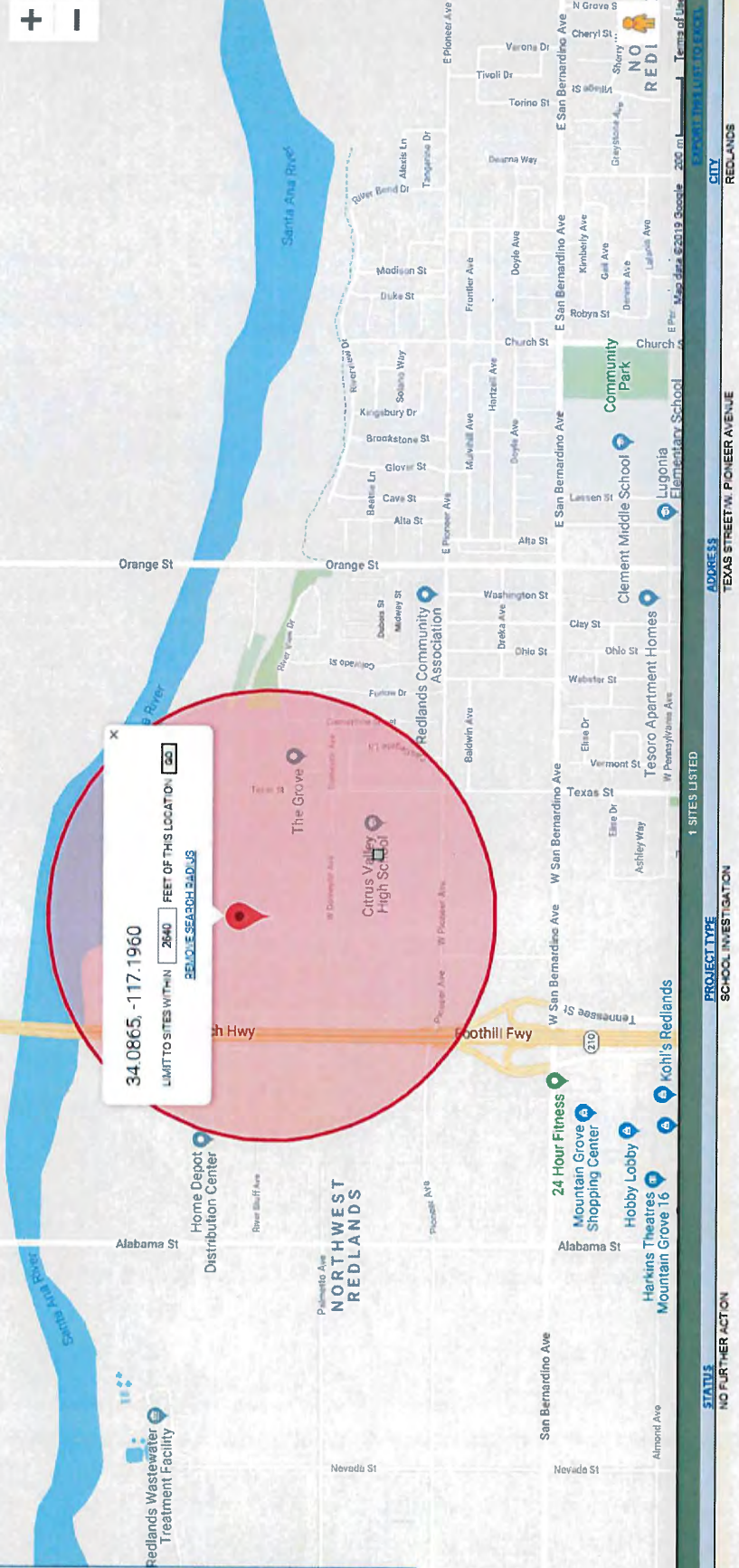
Map | Satellite

Map navigation icons: Home, Back, Forward, Full Screen, Refresh, Print, Search, etc.

34.0865, -117.1960

LIMIT TO SITES WITHIN: 2640 FEET OF THIS LOCATION

REMOVE SEARCH RADIUS



STATUS: NO FURTHER ACTION

PROJECT TYPE: SCHOOL INVESTIGATION

1 SITES LISTED

ADDRESS: TEXAS STREET W, PIONEER AVENUE

CITY: REDLANDS

Type here to search

Windows taskbar: 12:09 PM, 3/11/2019, search, task view, power, volume, network, battery icons.

Sites and Facilities

- Cleanup Sites
 - Federal Superfund
 - State Response
 - Voluntary Cleanup
 - School Cleanup
 - Evaluation
 - School Investigation
 - Military Evaluation
 - Tiered Permit
 - Corrective Action

STATUS

All Statuses

- Permitted Sites
 - Operating
 - Post-Closure
 - Non-Operating
- Other Sites
- GIS Layers
- Tools

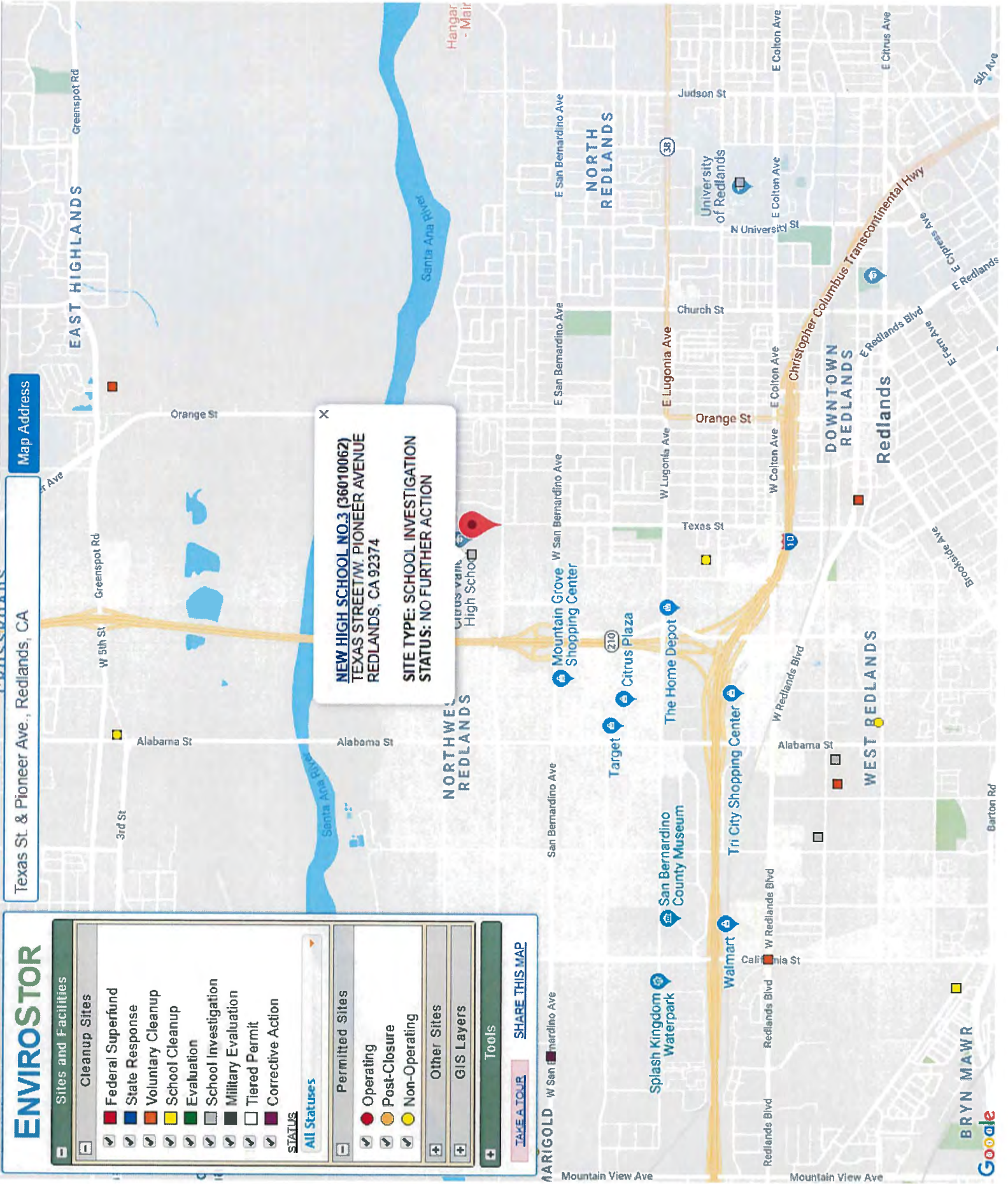
[TAKE A TOUR](#) [SHARE THIS MAP](#)

Texas St & Pioneer Ave., Redlands, CA

Map Address

NEW HIGH SCHOOL NO.3 (36010062)
TEXAS STREET/W. PIONEER AVENUE
REDLANDS, CA 92374

SITE TYPE: SCHOOL INVESTIGATION
STATUS: NO FURTHER ACTION





Tools

Reports

Community Involvement

How to Use EnviroStor

ESI

DTSC Web



NEW HIGH SCHOOL NO.3 (36010062)

[SIGN UP FOR EMAIL ALERTS](#)

TEXAS STREET/W. PIONEER AVENUE
REDLANDS, CA 92374
SAN BERNARDINO COUNTY
SITE TYPE: SCHOOL

SUPERVISOR:
OFFICE:

SHAHIR HADDAD
SOUTHERN CALIFORNIA
SCHOOLS &
BROWNFIELDS OUTREACH
REDLANDS UNIFIED
SCHOOL DISTRICT
6071008001
76-80%

SCHOOL DISTRICT:

CENSUS TRACT:
CALENVIROSCREEN PERCENTILE SCORE:

[Summary](#) | [Activities](#) | [Site/Facility Docs](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS
NO FURTHER ACTION AS OF 4/19/2007

SITE TYPE: SCHOOL
NATIONAL PRIORITIES LIST: NO
ACRES: 55 ACRES
APN: 167-061-04, 167-061-05, 167-061-06, 167-061-09, 167-061-10, 167-061-11,
167-061-12, 167-061-14, 167-061-15, 167-061-18, 167-061-19, 167-061-21, 167-
061-22, 167-061-24, 167-061-25

CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - **LEAD AGENCY**

SCHOOL DISTRICT:
ENVIROSTOR ID:
SITE CODE:
SPECIAL PROGRAM:
FUNDING:
ASSEMBLY DISTRICT:
SENATE DISTRICT:

REDLANDS UNIFIED SCHOOL DISTRICT

36010062
404541
SCHOOL DISTRICT
40
23

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
RESIDENTIAL AREA

POTENTIAL CONTAMINANTS OF CONCERN
LEAD

POTENTIAL MEDIA AFFECTED
SOIL

Site History

The site has been used for agricultural purposes (citrus orchard) since at least 1938. Currently the site is developed with citrus orchards and residential dwellings.



DEPARTMENT OF TOXIC SUBSTANCES CONTROL ENVIROSTOR



Tools

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Community Involvement

How to Use EnviroStor

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NEW HIGH SCHOOL NO.3 (36010062)

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TEXAS STREET/W. PIONEER AVENUE
REDLANDS, CA 92374
SAN BERNARDINO COUNTY
SITE TYPE: SCHOOL

SUPERVISOR:
OFFICE:

SHAHIR HADDAD
SOUTHERN CALIFORNIA
SCHOOLS &
BROWNFIELDS OUTREACH
REDLANDS UNIFIED
SCHOOL DISTRICT
6071008001
76-80%

SCHOOL DISTRICT:

CENSUS TRACT:
CALENVIROSCREEN PERCENTILE SCORE:

[Summary](#) | [Activities](#) | [Site/Facility Docs](#) | [Map](#) | [Related Sites](#) | [CallEnviroScreen](#)

DOCUMENT DATE RANGE: TO [Filter](#)

Completed Activities

TITLE/DESCRIPTION

SSI Report

Draft PEA Report (The Planning Center, April 6, 2005)
[Environmental Oversight Agreement](#)

DOCUMENT TYPE

Supplemental Site Investigation Report
Preliminary Endangerment Assessment Report
Environmental Oversight Agreement

[HIDE DOCUMENTS > 1 YEAR OLD](#)

DATE COMPLETED

4/9/2007
7/21/2005
7/9/2004

Community Involvement Documents

NO COMMUNITY INVOLVEMENT DOCUMENTS HAVE BEEN UPLOADED TO THIS PROJECT

[HIDE DOCUMENTS > 1 YEAR OLD](#)

ENVIROSTOR

Sites and Facilities

- Cleanup Sites
- Federal Superfund
- State Response
- Voluntary Cleanup
- School Cleanup
- Evaluation
- School Investigation
- Military Evaluation
- Tiered Permit
- Corrective Action

STATUS

All Statuses

Permitted Sites

- Operating
- Post-Closure
- Non-Operating

Other Sites

GIS Layers

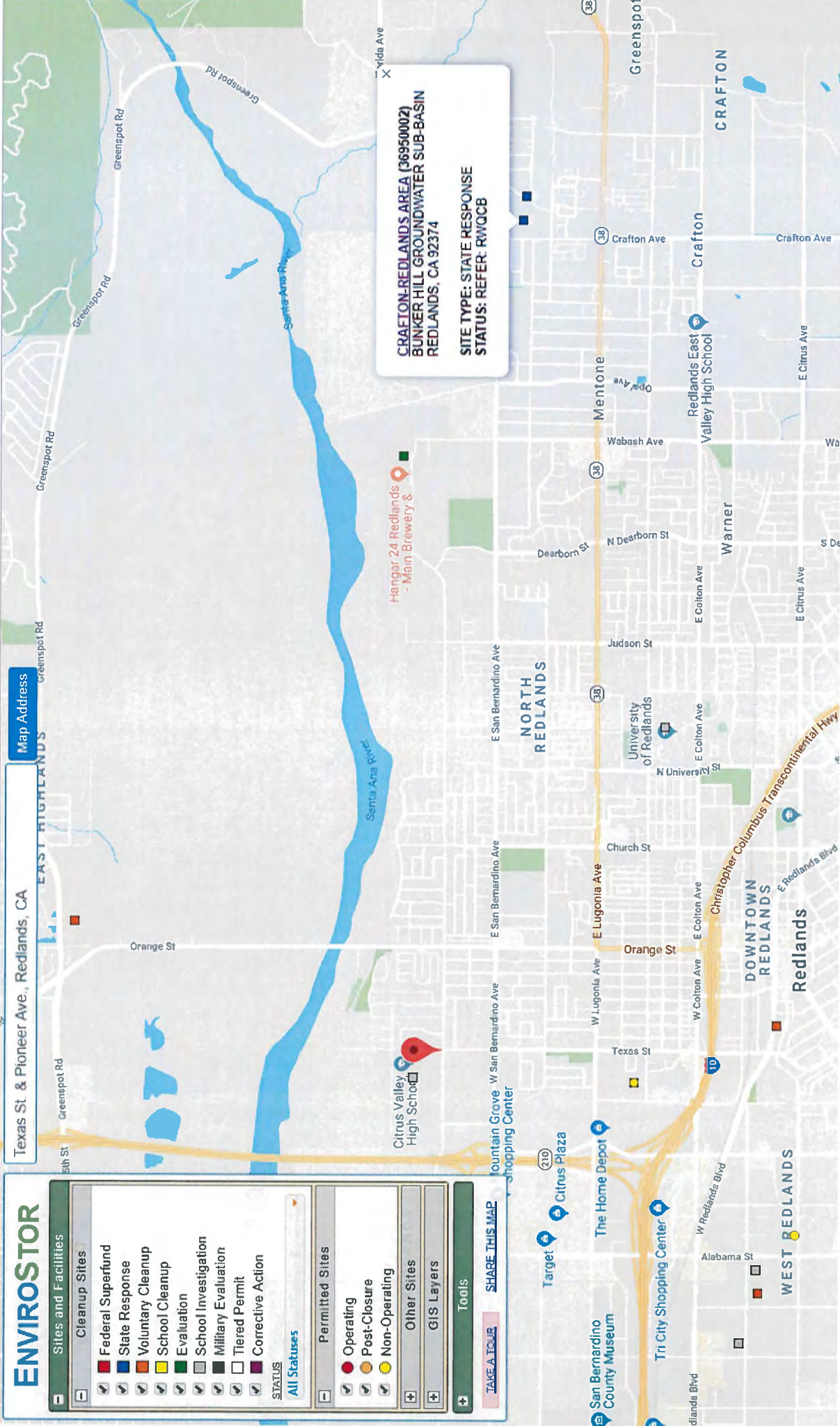
Tools

TAKE A TOUR SHARE THIS MAP

Texas St & Pioneer Ave., Redlands, CA

Map Address

EAST REDLANDS



CRAFTON-REDLANDS AREA (36950002)
BUNKER HILL GROUNDWATER SUB-BASIN
REDLANDS, CA 92374

SITE TYPE: STATE RESPONSE
STATUS: REFER: RWQCB

Hangar 24 Redlands
 - Main Brewery &

Citrus Valley
 High School

Target

Citrus Plaza

The Home Depot

San Bernardino
 County Museum

Tri City Shopping Center

W Redlands Blvd

Alabama St

W Redlands Blvd

WEST REDLANDS

DOWNTOWN
 REDLANDS

Redlands

Christopher Columbus Transcontinental Hwy

Warner

Redlands East
 Valley High School

Crafton

CRAFTON

Greenspot

Crafton Ave

Crafton Ave

Mentone

Wabash Ave

Dearborn St

N Dearborn St

Judson St

E San Bernardino Ave

NORTH
 REDLANDS

University
 of Redlands

N University St

Church St

E Lugonia Ave

Orange St

W Lugonia Ave

E Colton Ave

Orange St

Texas St

W San Bernardino Ave

Mountain Grove

Shopping Center

210

10

W Redlands Blvd

Alabama St

W Redlands Blvd

dianda Blvd

CRAFTON-REDLANDS AREA (36950002)

[SIGN UP FOR EMAIL ALERTS](#)

BUNKER HILL GROUNDWATER SUB-BASIN
REDLANDS, CA 92374
SAN BERNARDINO COUNTY
SITE TYPE: STATE RESPONSE OR NPL

OFFICE: CLEANUP CYPRESS
CENSUS TRACT: 6071008602
CALENVIROSCREEN PERCENTILE SCORE: 51-55%

[Summary](#) | [Activities](#) | [Site/Facility Docs](#) | [Map](#) | [Related Sites](#) | [CalEnviroScreen](#)

Site Information

CLEANUP STATUS

REFER: RWQCB AS OF 4/22/1996

SITE TYPE: STATE RESPONSE OR NPL

NATIONAL PRIORITIES LIST: NO

ACRES: 400 ACRES

APN: NONE SPECIFIED

CLEANUP OVERSIGHT AGENCIES:

DTSC - SITE CLEANUP PROGRAM

RWQCB 8 - SANTA ANA - LEAD AGENCY

ENVIROSTOR ID: 36950002

SITE CODE: 400042

SPECIAL PROGRAM:

FUNDING: * UNKNOWN

ASSEMBLY DISTRICT: 40

SENATE DISTRICT: 23

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION

NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN

HALOGENATED SOLVENTS

POTENTIAL MEDIA AFFECTED

NONE SPECIFIED

Site History

This site is an area of groundwater contamination consisting of approximately 19 square miles in the Bunker Hill Groundwater Sub-Basin. In the past four years, the City of Redlands Municipal Water District has removed six domestic supply wells from production because of trichloroethylene (TCE), tetrachloroethene (PCE), and dibromochloropropane (DBCP) contamination. This site covers two zip code areas--92374 and 92373. TCE was a degreaser used in large quantities in commercial, industrial and aerospace applications. DBCP is a nematocide that was formerly used as a soil fumigant on citrus and other crops in the area. The use of these chemicals probably contributed to the contamination of the groundwater. Groundwater in the Bunker Hill Sub-Basin is of high natural quality and is readily available for the current demand in the area. There is evidence that suggests the contamination may be moving in the direction of well fields serving the Cities of Colton, Loma Linda and Riverside. The population served by wells potentially affected by the contamination is approximately 200,000. Although there are currently alternate sources for the closed wells, continued spread of the contamination will reduce or eliminate these options. There is no known exposure at this time. The RWQCB and the Lockheed Corporation have conducted previous investigations in an effort to identify potential sources of the contamination. Lockheed submitted a Groundwater Monitoring Report to the RWQCB and DHS in June 1990. Data presented in the report suggests that groundwater underlying and downgradient of an old burn pit on the Lockheed property does not contain TCE. However, the pit is considered a possible source of past and future contamination due to the varying levels of groundwater, which is lower than it has been in the past. In March 1999, the Department determined that the site posed an Imminent and Substantial Endangerment. Efforts to design and construct a wellhead treatment system started shortly thereafter.



DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

- Tools
- Reports
- Community Involvement
- How to Use EnviroStor
- ESI
- DTSC Web

CRAFTON-REDLANDS AREA (36950002)

[SIGN UP FOR EMAIL ALERTS](#)

BUNKER HILL GROUNDWATER SUB-BASIN
 REDLANDS, CA 92374
 SAN BERNARDINO COUNTY
 SITE TYPE: STATE RESPONSE OR NPL

OFFICE: CLEANUP CYPRESS
 CENSUS TRACT: 6071008602
 CALENIROSCREEN PERCENTILE SCORE: 51-55%

- Summary
- Activities**
- Site/Facility Docs
- Map
- Related Sites
- CalEnviroScreen

DOCUMENT DATE RANGE: To [Filter](#)

Completed Activities	DATE COMPLETED	HIDE DOCUMENTS > 1 YEAR OLD
TITLE/DESCRIPTION		
Site Screening	6/13/2006	
Removal Action Completion Report	5/6/1993	

Community Involvement Documents
 NO COMMUNITY INVOLVEMENT DOCUMENTS HAVE BEEN UPLOADED TO THIS PROJECT





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. Use the search box below to find features on the map such as the name of a city, park, landmark, lake, water feature, or zip code within California. 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

Select Basemap

Site Type

Select the desired site type using the checkboxes

Groundwater Level

Water Quality

Continuous Data

Include Historic Data

Multiple Stations at one Location

Cluster, showing number of stations

Cursor Coordinates (WGS84)

Lat: 34.0810 Long: -117.1818

Scale: 0 0.15 0.3mi

Well Use: Residential

View groundwater level data

Zoom to

Groundwater Levels for Station 340963N1171821W001

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

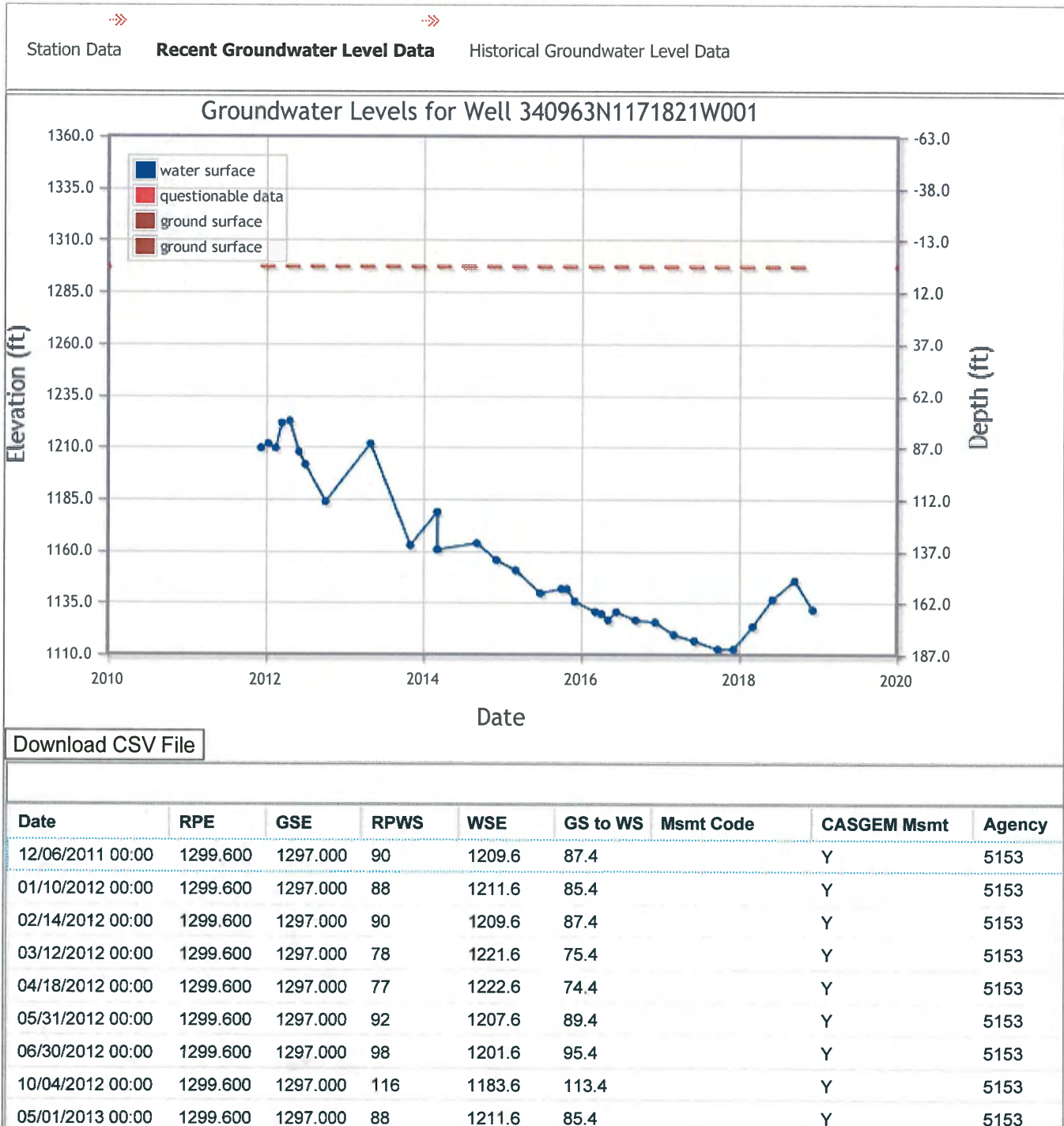
<p>State Well Number: 01S03W10K002S Local Well ID: N. Orange #2 Site Code: 340963N1171821W001 Latitude (NAD83): 34.096269 Longitude (NAD83): -117.182067 Groundwater Basin (code): Bunker Hill (8-002.06)</p>	<p>Well Use: Residential Well Status: Active Well Completion Report Number: NA Reference Point Elevation (NAVD88 ft): 1299.600 Ground Surface Elevation (NAVD88 ft): 1297.000 Total Depth (ft): 1230 Perforated Interval Depths (ft): 340.000 1210.000</p>
--	---

City of Redlands, San Bernardino County, B...

[Perform a New Well Search](#)

Groundwater Levels for Station 340963N1171821W001

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.



11/01/2013 00:00	1299.600	1297.000	137	1162.6	134.4	Y	5153
03/03/2014 00:00	1299.600	1297.000	121	1178.6	118.4	Y	5153
03/03/2014 00:00	1299.600	1297.000	139	1160.6	136.4	Y	5153
09/04/2014 00:00	1299.600	1297.000	136	1163.6	133.4	Y	5153
12/04/2014 00:00	1299.600	1297.000	144	1155.6	141.4	Y	5153
03/03/2015 00:00	1299.600	1297.000	149	1150.6	146.4	Y	5153
06/26/2015 00:00	1299.600	1297.000	160	1139.6	157.4	Y	5153
10/01/2015 00:00	1299.600	1297.000	158	1141.6	155.4	Y	5153
10/26/2015 00:00	1299.600	1297.000	158	1141.6	155.4	Y	5153
12/02/2015 00:00	1299.600	1297.000	164	1135.6	161.4	Y	5153
03/03/2016 00:00	1299.600	1297.000	169	1130.6	166.4	Y	5153
04/01/2016 00:00	1299.600	1297.000	170	1129.6	167.4	Y	5153
05/01/2016 00:00	1299.600	1297.000	173	1126.6	170.4	Y	5153
06/08/2016 00:00	1299.600	1297.000	169	1130.6	166.4	Y	5153
09/07/2016 00:00	1299.600	1297.000	173	1126.6	170.4	Y	5153
12/07/2016 00:00	1299.600	1297.000	174	1125.6	171.4	Y	5153
03/03/2017 00:00	1299.600	1297.000	180	1119.6	177.4	Y	5153
06/07/2017 00:00	1299.600	1297.000	183	1116.6	180.4	Y	5153
09/25/2017 00:00	1299.600	1297.000	187	1112.6	184.4	Y	5153
12/06/2017 00:00	1299.600	1297.000	187	1112.6	184.4	Y	5153
03/02/2018 00:00	1299.600	1297.000	176	1123.6	173.4	Y	5153
06/01/2018 00:00	1299.600	1297.000	163	1136.6	160.4	Y	5153
09/12/2018 00:00	1299.600	1297.000	154	1145.6	151.4	Y	5153
12/05/2018 00:00	1299.600	1297.000	168	1131.6	165.4	Y	5153

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

Perform a New Well Search

Groundwater Levels for Station 340963N1171821W001

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
No historical data found.		

[Perform a New Well Search](#)

- [Water Data Library Home](#)
- [Groundwater Level Data](#)
- [Water Quality Data](#)
- [Continuous Data](#)
Surface water, groundwater and water quality
- [Historical Publications](#)
- [Well Standards \(Bull. 74\)](#)
- [NHD Stewardship](#)
- [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. Use the search box below to find features on the map such as the name of a city, park, landmark, lake, water feature, or zip code within California. 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

Select the desired site type using the checkboxes

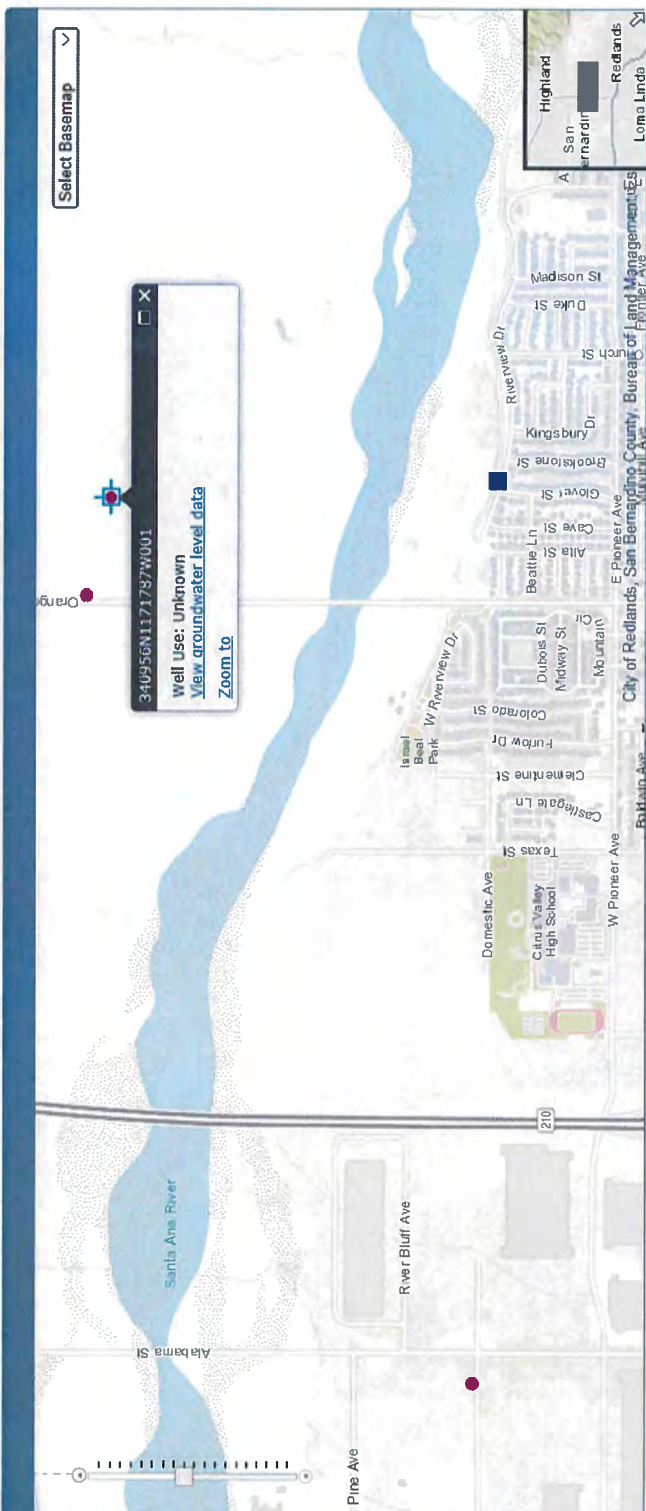
Site Type

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

Multiple Stations at one Location

- Cluster, showing number of stations

Cursor Coordinates (WGS84)
Lat: 34.0890, Long: -117.1813



Groundwater Levels for Station 340956N1171787W001

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.

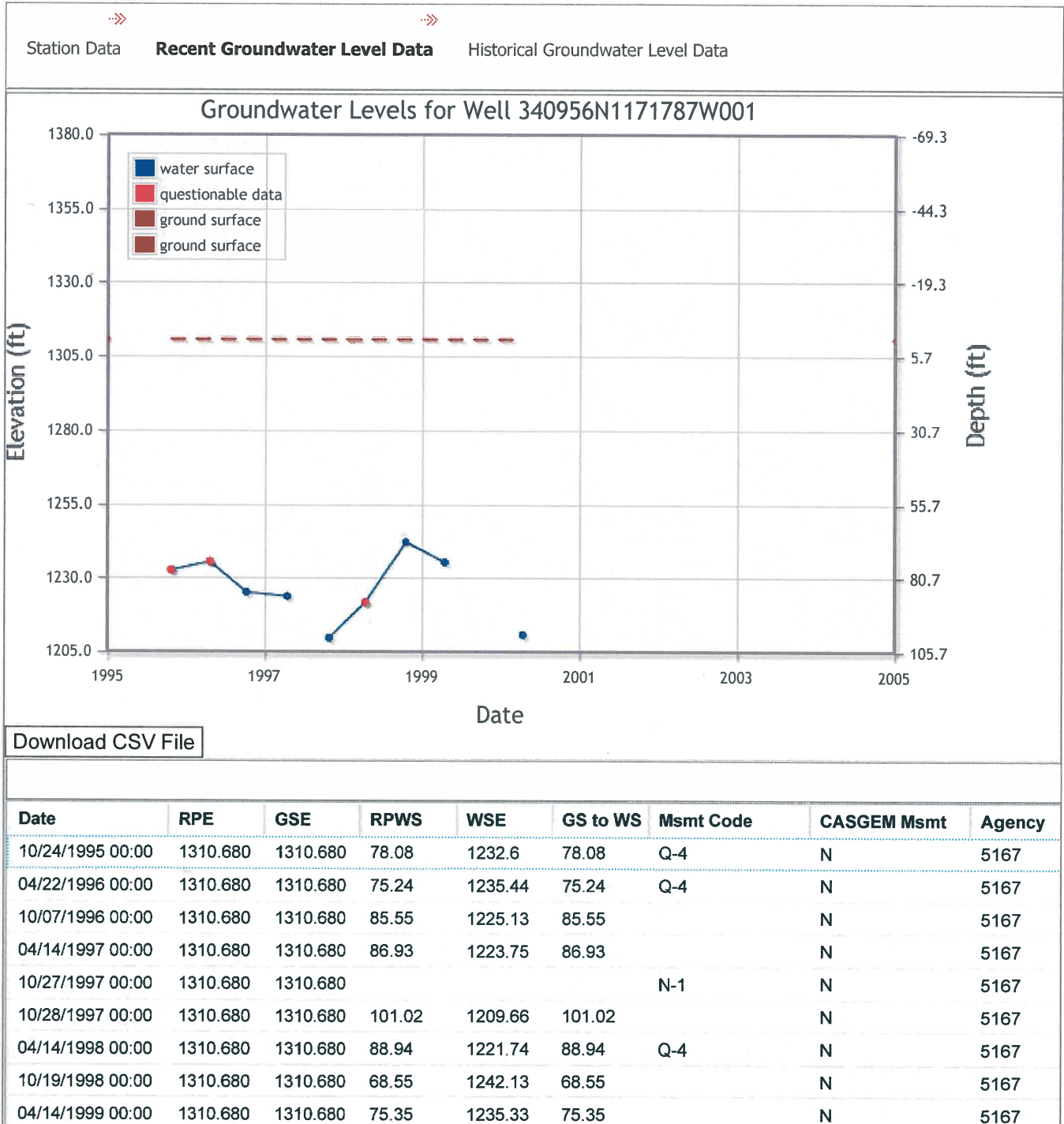
➔	➔	➔
Station Data	Recent Groundwater Level Data	Historical Groundwater Level Data

<p>State Well Number: 01S03W10J002S Local Well ID: Site Code: 340956N1171787W001 Latitude (NAD83): 34.095600 Longitude (NAD83): -117.1787 Groundwater Basin (code): Bunker Hill (8-002.06)</p>	<p>Well Use: Unknown Well Status: Active Well Completion Report Number: Reference Point Elevation (NAVD88 ft): 1310.680 Ground Surface Elevation (NAVD88 ft): 1310.680 Total Depth (ft): Perforated Interval Depths (ft):</p>
---	--

Perform a New Well Search

Groundwater Levels for Station 340956N1171787W001

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.



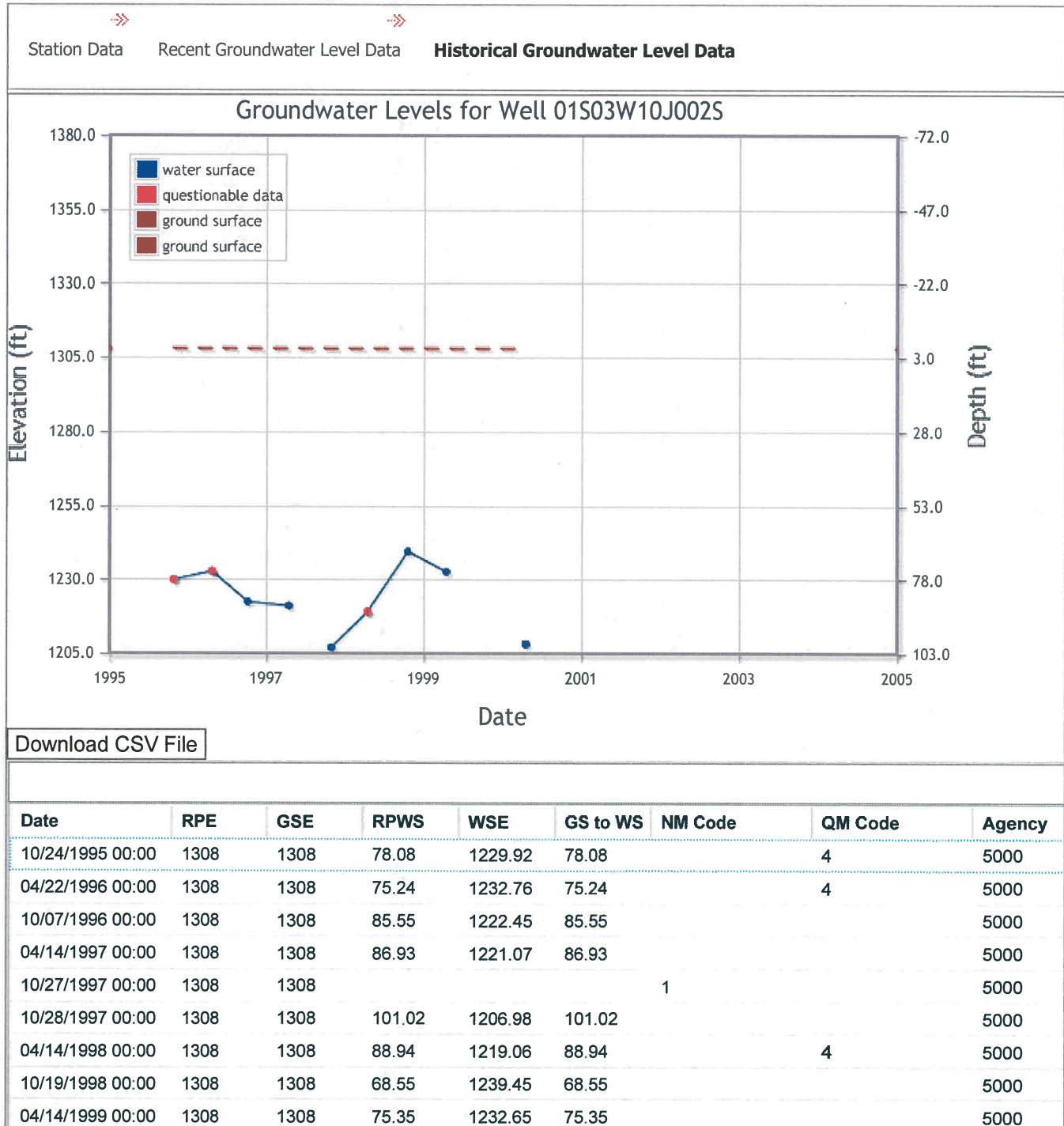
10/18/1999 00:00	1310.680	1310.680				N-1	N	5167
04/13/2000 00:00	1310.680	1310.680	99.86	1210.82	99.86		N	5167
04/19/2005 00:00	1310.680	1310.680				N-1	N	5167
07/27/2005 00:00	1310.680	1310.680				N-1	N	5167
10/26/2005 00:00	1310.680	1310.680				N-1	N	5167

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

[Perform a New Well Search](#)

Groundwater Levels for Station 340956N1171787W001

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.



10/18/1999 00:00	1308	1308				1	5000
04/13/2000 00:00	1308	1308	99.86	1208.14	99.86		5000
04/19/2005 00:00	1308	1308				1	5000
07/27/2005 00:00	1308	1308				1	5000
10/26/2005 00:00	1308	1308				1	5000

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

[Perform a New Well Search](#)

- Water Data Library Home
- Groundwater Level Data
- Water Quality Data
- Continuous Data
- Surface water, groundwater and water quality
- Historical Publications
- Well Standards (Bull. 74)
- NHD Stewardship
- Contact Information

Water Data Library

Use the map below to locate monitoring stations. You can find an area of interest if you zoom in and pan the map. Use the search box below to find features on the map such as the name of a city, park, landmark, lake, water feature, or zip code within California. 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](#).

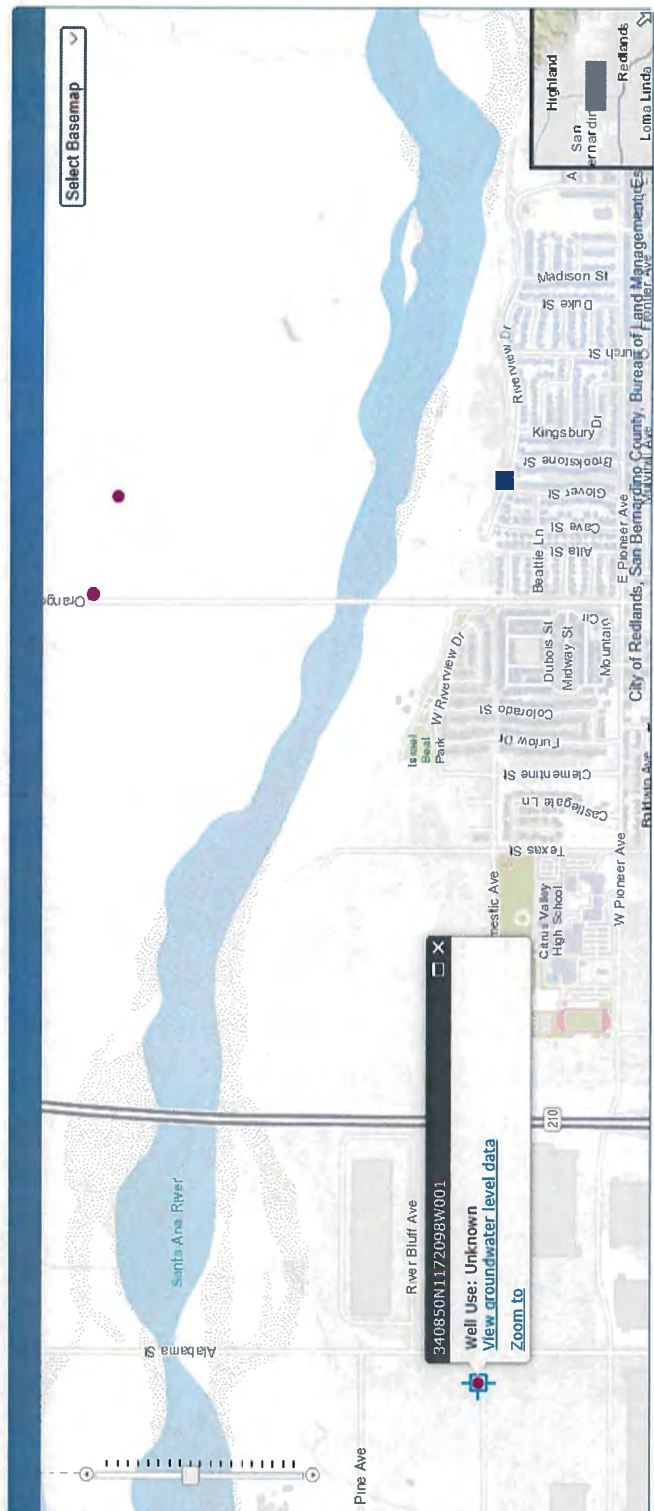
WDL STATION MAP

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

- 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: 34.0900, Long: -117.1984



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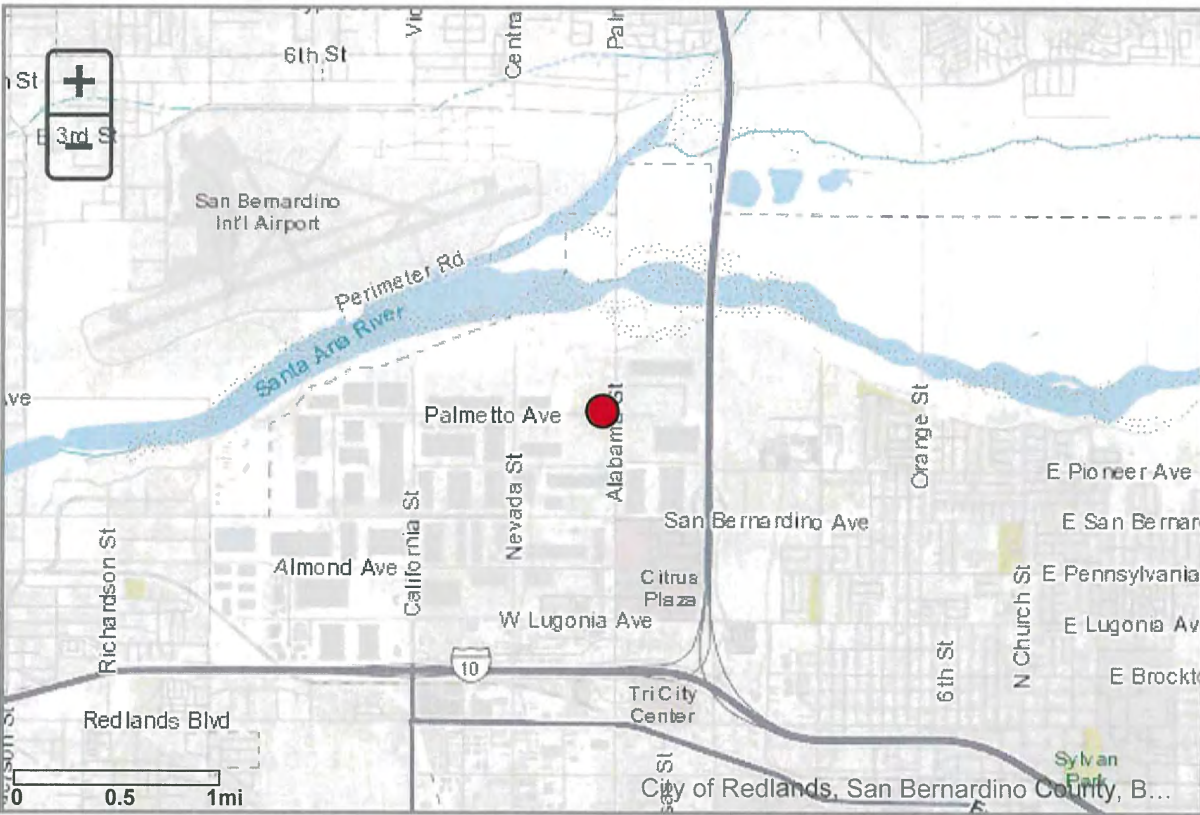
Groundwater Levels for Station 340850N1172098W001

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

State Well Number: 01S03W17H001S
Local Well ID:
Site Code: 340850N1172098W001
Latitude (NAD83): 34.085000
Longitude (NAD83): -117.2098
Groundwater Basin (code): Bunker Hill (8-002.06)

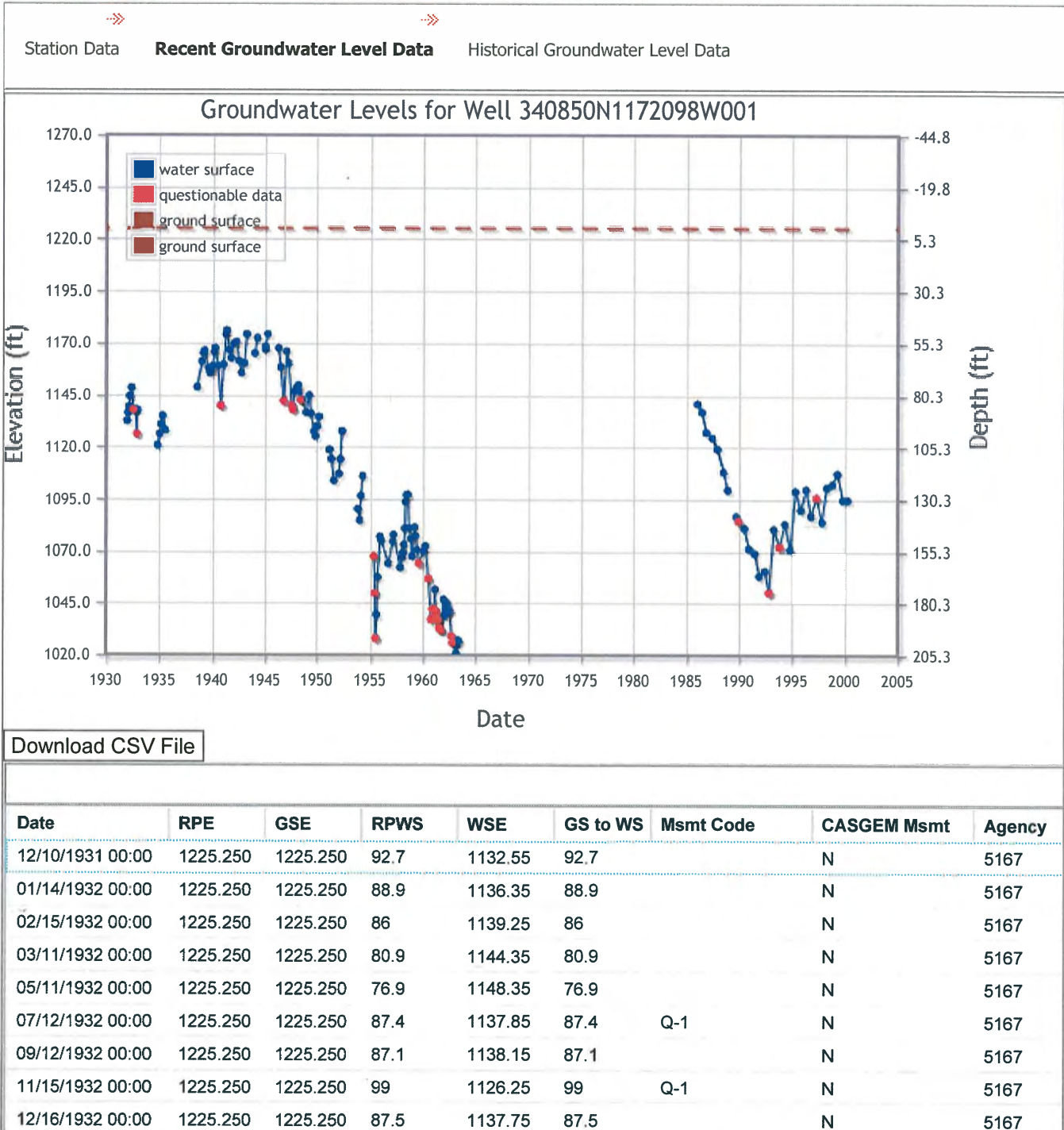
Well Use: Unknown
Well Status: Active
Well Completion Report Number:
Reference Point Elevation (NAVD88 ft): 1225.250
Ground Surface Elevation (NAVD88 ft): 1225.250
Total Depth (ft):
Perforated Interval Depths (ft):



[Perform a New Well Search](#)

Groundwater Levels for Station 340850N1172098W001

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.



10/24/1934 00:00	1225.250	1225.250	104.5	1120.75	104.5		N	5167
01/12/1935 00:00	1225.250	1225.250	99	1126.25	99		N	5167
02/26/1935 00:00	1225.250	1225.250	94.4	1130.85	94.4		N	5167
04/16/1935 00:00	1225.250	1225.250	90.3	1134.95	90.3		N	5167
07/19/1935 00:00	1225.250	1225.250	97.2	1128.05	97.2		N	5167
07/16/1938 00:00	1225.250	1225.250	76.5	1148.75	76.5		N	5167
01/03/1939 00:00	1225.250	1225.250	64.2	1161.05	64.2		N	5167
02/25/1939 00:00	1225.250	1225.250	60.2	1165.05	60.2		N	5167
03/30/1939 00:00	1225.250	1225.250	59	1166.25	59		N	5167
07/31/1939 00:00	1225.250	1225.250	67.4	1157.85	67.4		N	5167
09/28/1939 00:00	1225.250	1225.250	69.7	1155.55	69.7		N	5167
10/31/1939 00:00	1225.250	1225.250	68.4	1156.85	68.4		N	5167
11/29/1939 00:00	1225.250	1225.250	68.1	1157.15	68.1		N	5167
01/02/1940 00:00	1225.250	1225.250	66.4	1158.85	66.4		N	5167
02/27/1940 00:00	1225.250	1225.250	59.6	1165.65	59.6		N	5167
03/22/1940 00:00	1225.250	1225.250	57.8	1167.45	57.8		N	5167
07/03/1940 00:00	1225.250	1225.250	66.4	1158.85	66.4		N	5167
09/30/1940 00:00	1225.250	1225.250	85.4	1139.85	85.4	Q-1	N	5167
01/04/1941 00:00	1225.250	1225.250	65.6	1159.65	65.6		N	5167
04/04/1941 00:00	1225.250	1225.250	51.2	1174.05	51.2		N	5167
04/28/1941 00:00	1225.250	1225.250	49.3	1175.95	49.3		N	5167
07/30/1941 00:00	1225.250	1225.250	58.7	1166.55	58.7		N	5167
09/29/1941 00:00	1225.250	1225.250	62.5	1162.75	62.5		N	5167
12/29/1941 00:00	1225.250	1225.250	55.7	1169.55	55.7		N	5167
04/06/1942 00:00	1225.250	1225.250	54.7	1170.55	54.7		N	5167
07/04/1942 00:00	1225.250	1225.250	63.9	1161.35	63.9		N	5167
09/30/1942 00:00	1225.250	1225.250	69.6	1155.65	69.6		N	5167
01/06/1943 00:00	1225.250	1225.250	65	1160.25	65		N	5167
04/03/1943 00:00	1225.250	1225.250	51	1174.25	51		N	5167
01/04/1944 00:00	1225.250	1225.250	60.2	1165.05	60.2		N	5167
03/31/1944 00:00	1225.250	1225.250	52.8	1172.45	52.8		N	5167
01/04/1945 00:00	1225.250	1225.250	58.5	1166.75	58.5		N	5167
01/09/1945 00:00	1225.250	1225.250	57	1168.25	57		N	5167
03/29/1945 00:00	1225.250	1225.250	51	1174.25	51		N	5167
04/16/1946 00:00	1225.250	1225.250	57.8	1167.45	57.8		N	5167
07/05/1946 00:00	1225.250	1225.250	67	1158.25	67		N	5167
10/10/1946 00:00	1225.250	1225.250	83.1	1142.15	83.1	Q-1	N	5167
01/24/1947 00:00	1225.250	1225.250	59.3	1165.95	59.3		N	5167
04/12/1947 00:00	1225.250	1225.250	65	1160.25	65		N	5167
07/17/1947 00:00	1225.250	1225.250	85.1	1140.15	85.1	Q-1	N	5167
08/30/1947 00:00	1225.250	1225.250	87.2	1138.05	87.2	Q-1	N	5167
10/24/1947 00:00	1225.250	1225.250	78.6	1146.65	78.6		N	5167
01/24/1948 00:00	1225.250	1225.250	76.6	1148.65	76.6		N	5167
03/15/1948 00:00	1225.250	1225.250	75.5	1149.75	75.5		N	5167

04/20/1948 00:00	1225.250	1225.250	78.7	1146.55	78.7		N	5167
05/27/1948 00:00	1225.250	1225.250	82.7	1142.55	82.7	Q-4	N	5167
07/09/1948 00:00	1225.250	1225.250	82.4	1142.85	82.4		N	5167
12/18/1948 00:00	1225.250	1225.250	88.6	1136.65	88.6		N	5167
03/28/1949 00:00	1225.250	1225.250	80.4	1144.85	80.4		N	5167
06/03/1949 00:00	1225.250	1225.250	89.1	1136.15	89.1		N	5167
09/08/1949 00:00	1225.250	1225.250	97.8	1127.45	97.8		N	5167
11/01/1949 00:00	1225.250	1225.250	99.9	1125.35	99.9		N	5167
01/09/1950 00:00	1225.250	1225.250	95.2	1130.05	95.2		N	5167
03/07/1950 00:00	1225.250	1225.250	90.6	1134.65	90.6		N	5167
03/06/1951 00:00	1225.250	1225.250	106.5	1118.75	106.5		N	5167
05/10/1951 00:00	1225.250	1225.250	111	1114.25	111		N	5167
08/06/1951 00:00	1225.250	1225.250	121.3	1103.95	121.3		N	5167
01/23/1952 00:00	1225.250	1225.250	118.1	1107.15	118.1		N	5167
03/12/1952 00:00	1225.250	1225.250	111	1114.25	111		N	5167
05/09/1952 00:00	1225.250	1225.250	97.6	1127.65	97.6		N	5167
10/26/1953 00:00	1225.250	1225.250	135	1090.25	135		N	5167
12/31/1953 00:00	1225.250	1225.250	140.5	1084.75	140.5		N	5167
02/09/1954 00:00	1225.250	1225.250	128.7	1096.55	128.7		N	5167
04/17/1954 00:00	1225.250	1225.250	119.2	1106.05	119.2		N	5167
05/04/1955 00:00	1225.250	1225.250	157.8	1067.45	157.8	Q-1	N	5167
06/09/1955 00:00	1225.250	1225.250	175.5	1049.75	175.5	Q-1	N	5167
07/08/1955 00:00	1225.250	1225.250	197.2	1028.05	197.2	Q-1	N	5167
08/05/1955 00:00	1225.250	1225.250	185.8	1039.45	185.8		N	5167
09/08/1955 00:00	1225.250	1225.250	167.7	1057.55	167.7		N	5167
12/06/1955 00:00	1225.250	1225.250	148.3	1076.95	148.3		N	5167
01/17/1956 00:00	1225.250	1225.250	150.2	1075.05	150.2		N	5167
09/18/1956 00:00	1225.250	1225.250	161.2	1064.05	161.2		N	5167
02/20/1957 00:00	1225.250	1225.250	150.5	1074.75	150.5		N	5167
03/21/1957 00:00	1225.250	1225.250	147.4	1077.85	147.4		N	5167
11/07/1957 00:00	1225.250	1225.250	163.1	1062.15	163.1		N	5167
01/11/1958 00:00	1225.250	1225.250	158.2	1067.05	158.2		N	5167
02/10/1958 00:00	1225.250	1225.250	155.9	1069.35	155.9		N	5167
03/10/1958 00:00	1225.250	1225.250	152.2	1073.05	152.2		N	5167
04/10/1958 00:00	1225.250	1225.250	144.3	1080.95	144.3		N	5167
05/09/1958 00:00	1225.250	1225.250	131.5	1093.75	131.5		N	5167
06/12/1958 00:00	1225.250	1225.250	128.4	1096.85	128.4		N	5167
07/19/1958 00:00	1225.250	1225.250	128	1097.25	128		N	5167
09/10/1958 00:00	1225.250	1225.250	144.2	1081.05	144.2		N	5167
11/13/1958 00:00	1225.250	1225.250	149.4	1075.85	149.4		N	5167
12/20/1958 00:00	1225.250	1225.250	157.7	1067.55	157.7		N	5167
03/13/1959 00:00	1225.250	1225.250	143.8	1081.45	143.8		N	5167
04/14/1959 00:00	1225.250	1225.250	147.9	1077.35	147.9		N	5167
06/10/1959 00:00	1225.250	1225.250	154.6	1070.65	154.6		N	5167

08/06/1959 00:00	1225.250	1225.250	161.1	1064.15	161.1	Q-1	N	5167
02/03/1960 00:00	1225.250	1225.250	155.4	1069.85	155.4		N	5167
03/24/1960 00:00	1225.250	1225.250	152.9	1072.35	152.9		N	5167
07/05/1960 00:00	1225.250	1225.250	168.5	1056.75	168.5	Q-1	N	5167
10/05/1960 00:00	1225.250	1225.250	188.1	1037.15	188.1	Q-1	N	5167
11/25/1960 00:00	1225.250	1225.250	183	1042.25	183	Q-1	N	5167
12/27/1960 00:00	1225.250	1225.250	182.7	1042.55	182.7	Q-1	N	5167
01/25/1961 00:00	1225.250	1225.250	184.5	1040.75	184.5	Q-1	N	5167
02/20/1961 00:00	1225.250	1225.250	173.7	1051.55	173.7		N	5167
03/13/1961 00:00	1225.250	1225.250	187.8	1037.45	187.8	Q-1	N	5167
04/16/1961 00:00	1225.250	1225.250	184.6	1040.65	184.6	Q-1	N	5167
05/25/1961 00:00	1225.250	1225.250	188.1	1037.15	188.1	Q-1	N	5167
06/15/1961 00:00	1225.250	1225.250	188.3	1036.95	188.3	Q-1	N	5167
07/13/1961 00:00	1225.250	1225.250	192.1	1033.15	192.1	Q-1	N	5167
08/10/1961 00:00	1225.250	1225.250	192.9	1032.35	192.9	Q-1	N	5167
09/28/1961 00:00	1225.250	1225.250	193.3	1031.95	193.3	Q-1	N	5167
12/21/1961 00:00	1225.250	1225.250	178.4	1046.85	178.4		N	5167
01/16/1962 00:00	1225.250	1225.250	186.5	1038.75	186.5		N	5167
03/01/1962 00:00	1225.250	1225.250	186.1	1039.15	186.1		N	5167
03/26/1962 00:00	1225.250	1225.250	180.5	1044.75	180.5		N	5167
04/16/1962 00:00	1225.250	1225.250	180.5	1044.75	180.5		N	5167
05/28/1962 00:00	1225.250	1225.250	183	1042.25	183		N	5167
06/28/1962 00:00	1225.250	1225.250	184.4	1040.85	184.4		N	5167
07/25/1962 00:00	1225.250	1225.250	184.3	1040.95	184.3		N	5167
09/18/1962 00:00	1225.250	1225.250	196.2	1029.05	196.2	Q-G	N	5167
10/25/1962 00:00	1225.250	1225.250	199.3	1025.95	199.3	Q-G	N	5167
02/28/1963 00:00	1225.250	1225.250	204.5	1020.75	204.5		N	5167
03/20/1963 00:00	1225.250	1225.250	200.6	1024.65	200.6		N	5167
04/26/1963 00:00	1225.250	1225.250	198.1	1027.15	198.1		N	5167
05/29/1963 00:00	1225.250	1225.250	198.7	1026.55	198.7		N	5167
01/15/1986 00:00	1225.250	1225.250	84.33	1140.92	84.33		N	5167
06/19/1986 00:00	1225.250	1225.250	88.35	1136.9	88.35		N	5167
11/20/1986 00:00	1225.250	1225.250	98.03	1127.22	98.03		N	5167
06/17/1987 00:00	1225.250	1225.250	100.84	1124.41	100.84		N	5167
12/08/1987 00:00	1225.250	1225.250	106.07	1119.18	106.07		N	5167
07/06/1988 00:00	1225.250	1225.250	117.07	1108.18	117.07		N	5167
11/22/1988 00:00	1225.250	1225.250	125.79	1099.46	125.79		N	5167
09/21/1989 00:00	1225.250	1225.250	138.46	1086.79	138.46		N	5167
11/28/1989 00:00	1225.250	1225.250	140.71	1084.54	140.71	Q-2	N	5167
06/25/1990 00:00	1225.250	1225.250	144.2	1081.05	144.2		N	5167
12/03/1990 00:00	1225.250	1225.250	154	1071.25	154		N	5167
06/17/1991 00:00	1225.250	1225.250	156.18	1069.07	156.18		N	5167
11/27/1991 00:00	1225.250	1225.250	167.24	1058.01	167.24		N	5167
06/12/1992 00:00	1225.250	1225.250	164.81	1060.44	164.81		N	5167

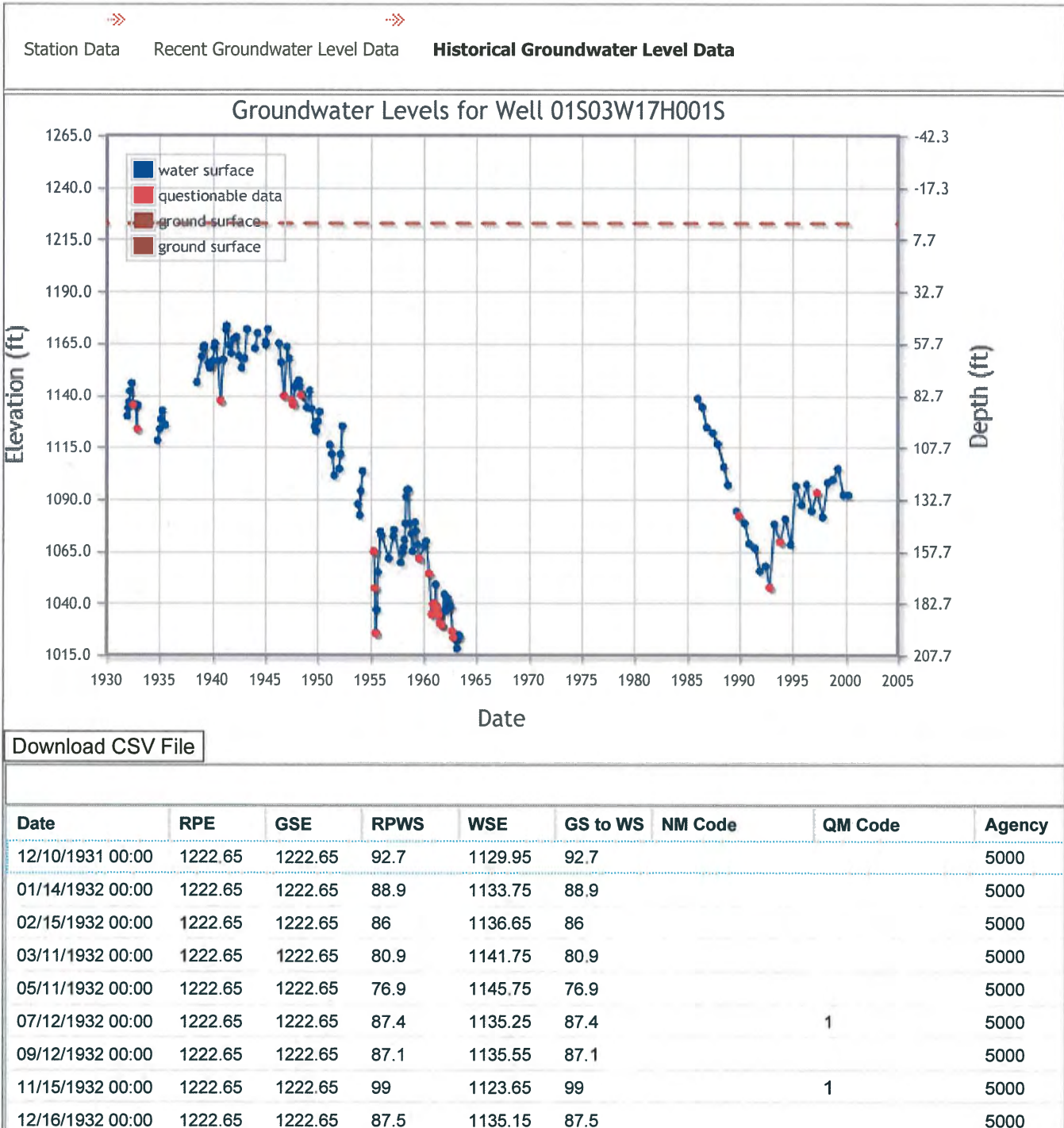
10/29/1992 00:00	1225.250	1225.250	175.07	1050.18	175.07	Q-2	N	5167
04/12/1993 00:00	1225.250	1225.250	144.65	1080.6	144.65		N	5167
10/19/1993 00:00	1225.250	1225.250	153.14	1072.11	153.14	Q-2	N	5167
04/20/1994 00:00	1225.250	1225.250	142.2	1083.05	142.2		N	5167
10/25/1994 00:00	1225.250	1225.250	154.5	1070.75	154.5		N	5167
04/18/1995 00:00	1225.250	1225.250	126.31	1098.94	126.31		N	5167
10/24/1995 00:00	1225.250	1225.250	135.33	1089.92	135.33		N	5167
04/22/1996 00:00	1225.250	1225.250	125.56	1099.69	125.56		N	5167
10/07/1996 00:00	1225.250	1225.250	138.29	1086.96	138.29		N	5167
04/14/1997 00:00	1225.250	1225.250	129.56	1095.69	129.56	Q-2	N	5167
10/27/1997 00:00	1225.250	1225.250	141.16	1084.09	141.16		N	5167
04/14/1998 00:00	1225.250	1225.250	124.66	1100.59	124.66		N	5167
10/19/1998 00:00	1225.250	1225.250	123.18	1102.07	123.18		N	5167
04/14/1999 00:00	1225.250	1225.250	117.94	1107.31	117.94		N	5167
10/18/1999 00:00	1225.250	1225.250	130.62	1094.63	130.62		N	5167
04/12/2000 00:00	1225.250	1225.250	130.68	1094.57	130.68		N	5167
04/19/2005 00:00	1225.250	1225.250				N-D	N	5167

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

Perform a New Well Search

Groundwater Levels for Station 340850N1172098W001

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.



10/24/1934 00:00	1222.65	1222.65	104.5	1118.15	104.5		5000
01/12/1935 00:00	1222.65	1222.65	99	1123.65	99		5000
02/26/1935 00:00	1222.65	1222.65	94.4	1128.25	94.4		5000
04/16/1935 00:00	1222.65	1222.65	90.3	1132.35	90.3		5000
07/19/1935 00:00	1222.65	1222.65	97.2	1125.45	97.2		5000
07/16/1938 00:00	1222.65	1222.65	76.5	1146.15	76.5		5000
01/03/1939 00:00	1222.65	1222.65	64.2	1158.45	64.2		5000
02/25/1939 00:00	1222.65	1222.65	60.2	1162.45	60.2		5000
03/30/1939 00:00	1222.65	1222.65	59	1163.65	59		5000
07/31/1939 00:00	1222.65	1222.65	67.4	1155.25	67.4		5000
09/28/1939 00:00	1222.65	1222.65	69.7	1152.95	69.7		5000
10/31/1939 00:00	1222.65	1222.65	68.4	1154.25	68.4		5000
11/29/1939 00:00	1222.65	1222.65	68.1	1154.55	68.1		5000
01/02/1940 00:00	1222.65	1222.65	66.4	1156.25	66.4		5000
02/27/1940 00:00	1222.65	1222.65	59.6	1163.05	59.6		5000
03/22/1940 00:00	1222.65	1222.65	57.8	1164.85	57.8		5000
07/03/1940 00:00	1222.65	1222.65	66.4	1156.25	66.4		5000
09/30/1940 00:00	1222.65	1222.65	85.4	1137.25	85.4	1	5000
01/04/1941 00:00	1222.65	1222.65	65.6	1157.05	65.6		5000
04/04/1941 00:00	1222.65	1222.65	51.2	1171.45	51.2		5000
04/28/1941 00:00	1222.65	1222.65	49.3	1173.35	49.3		5000
07/30/1941 00:00	1222.65	1222.65	58.7	1163.95	58.7		5000
09/29/1941 00:00	1222.65	1222.65	62.5	1160.15	62.5		5000
12/29/1941 00:00	1222.65	1222.65	55.7	1166.95	55.7		5000
04/06/1942 00:00	1222.65	1222.65	54.7	1167.95	54.7		5000
07/04/1942 00:00	1222.65	1222.65	63.9	1158.75	63.9		5000
09/30/1942 00:00	1222.65	1222.65	69.6	1153.05	69.6		5000
01/06/1943 00:00	1222.65	1222.65	65	1157.65	65		5000
04/03/1943 00:00	1222.65	1222.65	51	1171.65	51		5000
01/04/1944 00:00	1222.65	1222.65	60.2	1162.45	60.2		5000
03/31/1944 00:00	1222.65	1222.65	52.8	1169.85	52.8		5000
01/04/1945 00:00	1222.65	1222.65	58.5	1164.15	58.5		5000
01/09/1945 00:00	1222.65	1222.65	57	1165.65	57		5000
03/29/1945 00:00	1222.65	1222.65	51	1171.65	51		5000
04/16/1946 00:00	1222.65	1222.65	57.8	1164.85	57.8		5000
07/05/1946 00:00	1222.65	1222.65	67	1155.65	67		5000
10/10/1946 00:00	1222.65	1222.65	83.1	1139.55	83.1	1	5000
01/24/1947 00:00	1222.65	1222.65	59.3	1163.35	59.3		5000
04/12/1947 00:00	1222.65	1222.65	65	1157.65	65		5000
07/17/1947 00:00	1222.65	1222.65	85.1	1137.55	85.1	1	5000
08/30/1947 00:00	1222.65	1222.65	87.2	1135.45	87.2	1	5000
10/24/1947 00:00	1222.65	1222.65	78.6	1144.05	78.6		5000
01/24/1948 00:00	1222.65	1222.65	76.6	1146.05	76.6		5000
03/15/1948 00:00	1222.65	1222.65	75.5	1147.15	75.5		5000

04/20/1948 00:00	1222.65	1222.65	78.7	1143.95	78.7		5000
05/27/1948 00:00	1222.65	1222.65	82.7	1139.95	82.7	4	5000
07/09/1948 00:00	1222.65	1222.65	82.4	1140.25	82.4		5000
12/18/1948 00:00	1222.65	1222.65	88.6	1134.05	88.6		5000
03/28/1949 00:00	1222.65	1222.65	80.4	1142.25	80.4		5000
06/03/1949 00:00	1222.65	1222.65	89.1	1133.55	89.1		5000
09/08/1949 00:00	1222.65	1222.65	97.8	1124.85	97.8		5000
11/01/1949 00:00	1222.65	1222.65	99.9	1122.75	99.9		5000
01/09/1950 00:00	1222.65	1222.65	95.2	1127.45	95.2		5000
03/07/1950 00:00	1222.65	1222.65	90.6	1132.05	90.6		5000
03/06/1951 00:00	1222.65	1222.65	106.5	1116.15	106.5		5000
05/10/1951 00:00	1222.65	1222.65	111	1111.65	111		5000
08/06/1951 00:00	1222.65	1222.65	121.3	1101.35	121.3		5000
01/23/1952 00:00	1222.65	1222.65	118.1	1104.55	118.1		5000
03/12/1952 00:00	1222.65	1222.65	111	1111.65	111		5000
05/09/1952 00:00	1222.65	1222.65	97.6	1125.05	97.6		5000
10/26/1953 00:00	1222.65	1222.65	135	1087.65	135		5000
12/31/1953 00:00	1222.65	1222.65	140.5	1082.15	140.5		5000
02/09/1954 00:00	1222.65	1222.65	128.7	1093.95	128.7		5000
04/17/1954 00:00	1222.65	1222.65	119.2	1103.45	119.2		5000
05/04/1955 00:00	1222.65	1222.65	157.8	1064.85	157.8	1	5000
06/09/1955 00:00	1222.65	1222.65	175.5	1047.15	175.5	1	5000
07/08/1955 00:00	1222.65	1222.65	197.2	1025.45	197.2	1	5000
08/05/1955 00:00	1222.65	1222.65	185.8	1036.85	185.8		5000
09/08/1955 00:00	1222.65	1222.65	167.7	1054.95	167.7		5000
12/06/1955 00:00	1222.65	1222.65	148.3	1074.35	148.3		5000
01/17/1956 00:00	1222.65	1222.65	150.2	1072.45	150.2		5000
09/18/1956 00:00	1222.65	1222.65	161.2	1061.45	161.2		5000
02/20/1957 00:00	1222.65	1222.65	150.5	1072.15	150.5		5000
03/21/1957 00:00	1222.65	1222.65	147.4	1075.25	147.4		5000
11/07/1957 00:00	1222.65	1222.65	163.1	1059.55	163.1		5000
01/11/1958 00:00	1222.65	1222.65	158.2	1064.45	158.2		5000
02/10/1958 00:00	1222.65	1222.65	155.9	1066.75	155.9		5000
03/10/1958 00:00	1222.65	1222.65	152.2	1070.45	152.2		5000
04/10/1958 00:00	1222.65	1222.65	144.3	1078.35	144.3		5000
05/09/1958 00:00	1222.65	1222.65	131.5	1091.15	131.5		5000
06/12/1958 00:00	1222.65	1222.65	128.4	1094.25	128.4		5000
07/19/1958 00:00	1222.65	1222.65	128	1094.65	128		5000
09/10/1958 00:00	1222.65	1222.65	144.2	1078.45	144.2		5000
11/13/1958 00:00	1222.65	1222.65	149.4	1073.25	149.4		5000
12/20/1958 00:00	1222.65	1222.65	157.7	1064.95	157.7		5000
03/13/1959 00:00	1222.65	1222.65	143.8	1078.85	143.8		5000
04/14/1959 00:00	1222.65	1222.65	147.9	1074.75	147.9		5000
06/10/1959 00:00	1222.65	1222.65	154.6	1068.05	154.6		5000

08/06/1959 00:00	1222.65	1222.65	161.1	1061.55	161.1	1	5000
02/03/1960 00:00	1222.65	1222.65	155.4	1067.25	155.4		5000
03/24/1960 00:00	1222.65	1222.65	152.9	1069.75	152.9		5000
07/05/1960 00:00	1222.65	1222.65	168.5	1054.15	168.5	1	5000
10/05/1960 00:00	1222.65	1222.65	188.1	1034.55	188.1	1	5000
11/25/1960 00:00	1222.65	1222.65	183	1039.65	183	1	5000
12/27/1960 00:00	1222.65	1222.65	182.7	1039.95	182.7	1	5000
01/25/1961 00:00	1222.65	1222.65	184.5	1038.15	184.5	1	5000
02/20/1961 00:00	1222.65	1222.65	173.7	1048.95	173.7		5000
03/13/1961 00:00	1222.65	1222.65	187.8	1034.85	187.8	1	5000
04/16/1961 00:00	1222.65	1222.65	184.6	1038.05	184.6	1	5000
05/25/1961 00:00	1222.65	1222.65	188.1	1034.55	188.1	1	5000
06/15/1961 00:00	1222.65	1222.65	188.3	1034.35	188.3	1	5000
07/13/1961 00:00	1222.65	1222.65	192.1	1030.55	192.1	1	5000
08/10/1961 00:00	1222.65	1222.65	192.9	1029.75	192.9	1	5000
09/28/1961 00:00	1222.65	1222.65	193.3	1029.35	193.3	1	5000
12/21/1961 00:00	1222.65	1222.65	178.4	1044.25	178.4		5000
01/16/1962 00:00	1222.65	1222.65	186.5	1036.15	186.5		5000
03/01/1962 00:00	1222.65	1222.65	186.1	1036.55	186.1		5000
03/26/1962 00:00	1222.65	1222.65	180.5	1042.15	180.5		5000
04/16/1962 00:00	1222.65	1222.65	180.5	1042.15	180.5		5000
05/28/1962 00:00	1222.65	1222.65	183	1039.65	183		5000
06/28/1962 00:00	1222.65	1222.65	184.4	1038.25	184.4		5000
07/25/1962 00:00	1222.65	1222.65	184.3	1038.35	184.3		5000
09/18/1962 00:00	1222.65	1222.65	196.2	1026.45	196.2	G	5000
10/25/1962 00:00	1222.65	1222.65	199.3	1023.35	199.3	G	5000
02/28/1963 00:00	1222.65	1222.65	204.5	1018.15	204.5		5000
03/20/1963 00:00	1222.65	1222.65	200.6	1022.05	200.6		5000
04/26/1963 00:00	1222.65	1222.65	198.1	1024.55	198.1		5000
05/29/1963 00:00	1222.65	1222.65	198.7	1023.95	198.7		5000
01/15/1986 00:00	1222.65	1222.65	84.33	1138.32	84.33		5000
06/19/1986 00:00	1222.65	1222.65	88.35	1134.3	88.35		5000
11/20/1986 00:00	1222.65	1222.65	98.03	1124.62	98.03		5000
06/17/1987 00:00	1222.65	1222.65	100.84	1121.81	100.84		5000
12/08/1987 00:00	1222.65	1222.65	106.07	1116.58	106.07		5000
07/06/1988 00:00	1222.65	1222.65	117.07	1105.58	117.07		5000
11/22/1988 00:00	1222.65	1222.65	125.79	1096.86	125.79		5000
09/21/1989 00:00	1222.65	1222.65	138.46	1084.19	138.46		5000
11/28/1989 00:00	1222.65	1222.65	140.71	1081.94	140.71	2	5000
06/25/1990 00:00	1222.65	1222.65	144.2	1078.45	144.2		5000
12/03/1990 00:00	1222.65	1222.65	154	1068.65	154		5000
06/17/1991 00:00	1222.65	1222.65	156.18	1066.47	156.18		5000
11/27/1991 00:00	1222.65	1222.65	167.24	1055.41	167.24		5000
06/12/1992 00:00	1222.65	1222.65	164.81	1057.84	164.81		5000

10/29/1992 00:00	1222.65	1222.65	175.07	1047.58	175.07	2	5000
04/12/1993 00:00	1222.65	1222.65	144.65	1078	144.65		5000
10/19/1993 00:00	1222.65	1222.65	153.14	1069.51	153.14	2	5000
04/20/1994 00:00	1222.65	1222.65	142.2	1080.45	142.2		5000
10/25/1994 00:00	1222.65	1222.65	154.5	1068.15	154.5		5000
04/18/1995 00:00	1222.65	1222.65	126.31	1096.34	126.31		5000
10/24/1995 00:00	1222.65	1222.65	135.33	1087.32	135.33		5000
04/22/1996 00:00	1222.65	1222.65	125.56	1097.09	125.56		5000
10/07/1996 00:00	1222.65	1222.65	138.29	1084.36	138.29		5000
04/14/1997 00:00	1222.65	1222.65	129.56	1093.09	129.56	2	5000
10/27/1997 00:00	1222.65	1222.65	141.16	1081.49	141.16		5000
04/14/1998 00:00	1222.65	1222.65	124.66	1097.99	124.66		5000
10/19/1998 00:00	1222.65	1222.65	123.18	1099.47	123.18		5000
04/14/1999 00:00	1222.65	1222.65	117.94	1104.71	117.94		5000
10/18/1999 00:00	1222.65	1222.65	130.62	1092.03	130.62		5000
04/12/2000 00:00	1222.65	1222.65	130.68	1091.97	130.68		5000
04/19/2005 00:00	1222.65	1222.65				D	5000

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

[Perform a New Well Search](#)



Zoom Level: 14 of 19 (1:24,000) Closest Zoom for Pipelines 34.061899, -117.178221 Distance : 2.523 Miles

Ready COUNTY : San Bernardino, CA

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Type here to search

System tray area containing icons for Windows, Google Chrome, File Explorer, and other background applications. The system clock shows 12:28 PM on 3/11/2019.

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly on local drainage courses of small size. The community map preparator should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profile and Floodway Information Study (FP&FIS) for the community. The FP&FIS may be obtained from the community's Flood Insurance Study (FIS) report. Users should be aware that BFEs shown on the FP&FIS represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood hazard information for flood damage prevention purposes. For more information on the FP&FIS, contact the community's Flood Insurance Study report preparator.

Coastal Base Flood Elevations shown on the map apply only to the landward of 0.2 North American Vertical Datum of 1988 (NAVD 88). Users of this map should be aware that the Flood Profile and Floodway Information Study (FP&FIS) of San Bernardino County, California, may contain a Flood Profile and Floodway Information Study report for the community's Flood Insurance Study report for the jurisdiction.

The projection used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11 North. The horizontal datum was NAVD 88 (GRS80 datum). The vertical datum was the National American Vertical Datum of 1988 (NAVD 88). For adjacent jurisdictions, slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIS.

Flood elevations on the map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations to determine flood hazard potential. For more information on the National American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://hds.wr.water.gov/NAVD88> or contact the National Geodetic Survey at the following address:

NCGS Information Services
 NOAA, NCEM/STC
 National Oceanic and Atmospheric Administration
 1315 East-West Highway
 Silver Spring, Maryland 20910-3282
 (301) 713-3424

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3424, or visit its website at <http://hds.wr.water.gov/naoidb02>.

Base map: Hydrographic data for this FIS was derived from digital orthorectified imagery collected by the U.S. Department of Agriculture Forest Service. This imagery was flown in 2005 and was produced with a 1-meter ground sample distance.

This map may reflect more detailed and up-to-date stream channel configurations than those shown on the previous FIS for the jurisdiction. The floodplains and floodways that were transferred from the previous FIS may have been indicated and/or modified to reflect the more detailed stream channel configurations. The Profile and Floodway Data tables in the Flood Insurance Study Report, which contains authoritative hydraulic detail, may reflect stream channel differences that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may occur, users of this map are encouraged to contact appropriate jurisdictional agencies for the most current information.

Please refer to the separately printed Map Index for an overview map of the community and for a listing of the communities that are adjacent to the community for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Services Center at 1-800-358-9615 for information on available products associated with the FIS. Available products may include previously issued letters of Map Change, a Flood Insurance Study report, and/or a Flood Profile and Floodway Information Study report. Also, the FIS may be accessed by Fax at 1-800-358-9620 and its website at <http://hds.wr.water.gov>.

If you have questions about this map or questions concerning the National Flood Insurance Program, in general, please call 1-877-FEMA-MAAP (1-877-358-9627) or visit the FEMA website at <http://hds.wr.water.gov>.



LEGEND

- SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
- This 1% annual flood (100-year flood) does not mean that the area shown is subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard Zones A, AE, AH, AO, VE, and V. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.
- ZONE AE
Special Flood Hazard Areas determined from the 1% annual chance flood. Areas in which flood hazards are underlain by soil liquefaction potential. Areas are determined by the 1% annual chance flood by a Federal flood insurance rating agency. Areas are normally zoned within or adjacent to Special Flood Hazard Zones.
- ZONE AH
Areas in which flood hazards are underlain by soil liquefaction potential. Areas are determined by the 1% annual chance flood by a Federal flood insurance rating agency. Areas are normally zoned within or adjacent to Special Flood Hazard Zones.
- ZONE AO
Special Flood Hazard Areas determined from the 1% annual chance flood. Areas are determined by the 1% annual chance flood by a Federal flood insurance rating agency. Areas are normally zoned within or adjacent to Special Flood Hazard Zones.
- ZONE A
Special Flood Hazard Areas determined from the 1% annual chance flood. Areas are determined by the 1% annual chance flood by a Federal flood insurance rating agency. Areas are normally zoned within or adjacent to Special Flood Hazard Zones.
- ZONE VE
Coastal flood zone with velocity hazard (wave action); base flood elevation determined.
- ZONE V
Coastal flood zone with velocity hazard (wave action); base flood elevation determined.
- FLOODWAY AREAS IN ZONE AE
- OTHER FLOOD AREAS
- OTHER AREAS
- OTHERWISE PROTECTED AREAS (OPAs)
- 0.2% annual chance floodplain boundary
- 1% annual chance floodplain boundary
- Floodway boundary
- Zone boundary
- GRS set point boundary
- Boundary of Special Flood Hazard Areas of adjacent communities
- Flood Elevation, flood depth or flood date
- Base Flood Elevation (the water surface elevation in feet)
- Base Flood Elevation date when within water elevation in feet
- Reference to the North American Vertical Datum of 1988
- Cross section line
- Truncated cross section line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), meters
- 1000-meter Universal Transverse Mercator grid scale zone
- 5000-foot per inch California State Plane coordinate system, zone V (TRANSVERSE MERIDIAN), Lambert Conformal Conic projection (see explanation in Notes to Users section of the FIS report)
- DMS510 X
- NAD 83
- MAP REVISIONS
- Rate of Issuance of Map Revisions on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
- FLOOD INSURANCE RATE MAP
- FIRM
- PANEL 8704H
- MAP SCALE 1" = 800'
- METERS
- 100 200 300
- 30 60 90
- 150 300

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
 FLOOD INSURANCE RATE MAP

SAN BERNARDINO COUNTY, CALIFORNIA AND INCORPORATED AREAS
PANEL 8704 OF 9400
 (SEE MAP INDEX FOR PANEL LAYOUT)

COMMUNITY SAN BERNARDINO COUNTY
NUMBER 80077
DATE 8/28/08

MAP NUMBER 0807IC8704H
MAP REVISED AUGUST 28, 2008

Federal Emergency Management Agency

APPENDIX C

EDR HISTORICAL REPORTS

46-Acres Redlands

Domestic Avenue

Redlands, CA 92374

Inquiry Number: 05585859.2r

March 11, 2019

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

DOMESTIC AVENUE
REDLANDS, CA 92374

COORDINATES

Latitude (North): 34.0864620 - 34° 5' 11.26"
Longitude (West): 117.1960860 - 117° 11' 45.90"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 481909.8
UTM Y (Meters): 3771565.5
Elevation: 1280 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5630631 REDLANDS, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140603
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 DOMESTIC AVENUE
 REDLANDS, CA 92374

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	NORTON AIR FORCE BAS		DOD	Same	3999, 0.757, NW
Reg	NORTON AIR FORCE BAS	I-10/US 395 FORMER N	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-SQG, US ENG.	Same	4717, 0.893, WNW
1	NEW HIGH SCHOOL NO.3	TEXAS STREET/W. PION	ENVIROSTOR, SCH	Higher	578, 0.109, SSE
2	BLUE GOOSE GROWERS	1600 TEXAS ST	HIST UST, San Bern. Co. Permit	Higher	688, 0.130, ENE
3	AT&T MOBILITY - 30 F	27630 N PIONEER AVE	San Bern. Co. Permit	Lower	1221, 0.231, SW
4	REDLANDS FARMING COM	780 WEST SAN BERNARD	ENVIROSTOR	Higher	2589, 0.490, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST..... Geotracker's Leaking Underground Fuel Tank Report

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

HIST Cal-Sites..... Historical Calsites Database

CDL..... Clandestine Drug Labs

Toxic Pits..... Toxic Pits Cleanup Act Sites

CERS HAZ WASTE..... CERS HAZ WASTE

EXECUTIVE SUMMARY

US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing
CA FID UST..... Facility Inventory Database
CERS TANKS..... California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS..... Environmental Liens Listing
LIENS 2..... CERCLA Lien Information
DEED..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
CHMIRS..... California Hazardous Material Incident Report System
LDS..... Land Disposal Sites Listing
MCS..... Military Cleanup Sites Listing
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER..... PCB Transformer Registration Database
RADINFO..... Radiation Information Database
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS..... Incident and Accident Data
CONSENT..... Superfund (CERCLA) Consent Decrees
INDIAN RESERV..... Indian Reservations
FUSRAP..... Formerly Utilized Sites Remedial Action Program
UMTRA..... Uranium Mill Tailings Sites
LEAD SMELTERS..... Lead Smelter Sites
US AIRS..... Aerometric Information Retrieval System Facility Subsystem
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines

EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EML.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
WIP.....	Well Investigation Program Case List
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NORTON AIR FORCE BAS</i> Cerclis ID:: 902760 EPA Id: CA4570024345	<i>I-10/US 395 FORMER N</i>	<i>WNW 1/2 - 1 (0.893 mi.)</i>	<i>0</i>	<i>8</i>

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>NORTON AIR FORCE BAS</i> EPA ID:: CA4570024345	<i>I-10/US 395 FORMER N</i>	<i>WNW 1/2 - 1 (0.893 mi.)</i>	<i>0</i>	<i>8</i>

State- and tribal - equivalent CERCLIS

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

EXECUTIVE SUMMARY

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 01/28/2019 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEW HIGH SCHOOL NO.3 Facility Id: 36010062 Status: No Further Action	TEXAS STREET/W. PION	SSE 0 - 1/8 (0.109 mi.)	1	47
REDLANDS FARMING COM Facility Id: 36350019 Status: Refer: Other Agency	780 WEST SAN BERNARD	SSE 1/4 - 1/2 (0.490 mi.)	4	53

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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 01/28/2019 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEW HIGH SCHOOL NO.3 Facility Id: 36010062 Status: No Further Action	TEXAS STREET/W. PION	SSE 0 - 1/8 (0.109 mi.)	1	47

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1 HIST UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BLUE GOOSE GROWERS Facility Id: 00000007389	1600 TEXAS ST	ENE 1/8 - 1/4 (0.130 mi.)	2	51

EXECUTIVE SUMMARY

Other Ascertainable 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 approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NORTON AIR FORCE BAS		NW 1/2 - 1 (0.757 mi.)	0	8

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/12/2018 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NORTON AIR FORCE BAS EPA ID:: CA4570024345	I-10/US 395 FORMER N	WNW 1/2 - 1 (0.893 mi.)	0	8

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 11/28/2018 has revealed that there are 2 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BLUE GOOSE GROWERS Facility Status: INACTIVE Facility Id: FA0005643	1600 TEXAS ST	ENE 1/8 - 1/4 (0.130 mi.)	2	51

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AT&T MOBILITY - 30 F Facility Status: ACTIVE Facility Status: INACTIVE Facility Id: FA0009030	27630 N PIONEER AVE	SW 1/8 - 1/4 (0.231 mi.)	3	52

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

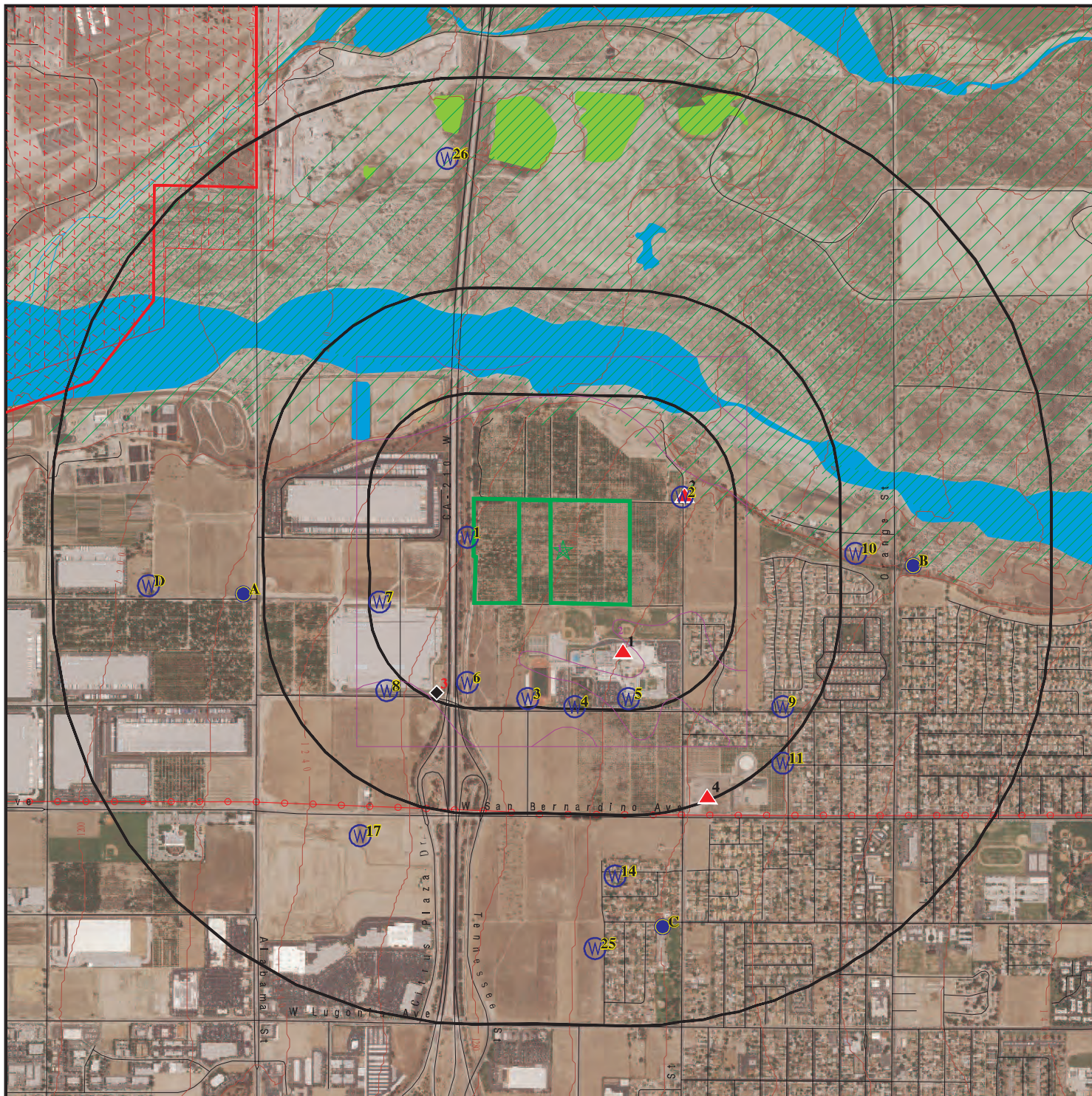
Site Name







CRAFTON-REDLANDS AREA








Database(s)

CA BOND EXP. PLAN

OVERVIEW MAP - 05585859.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

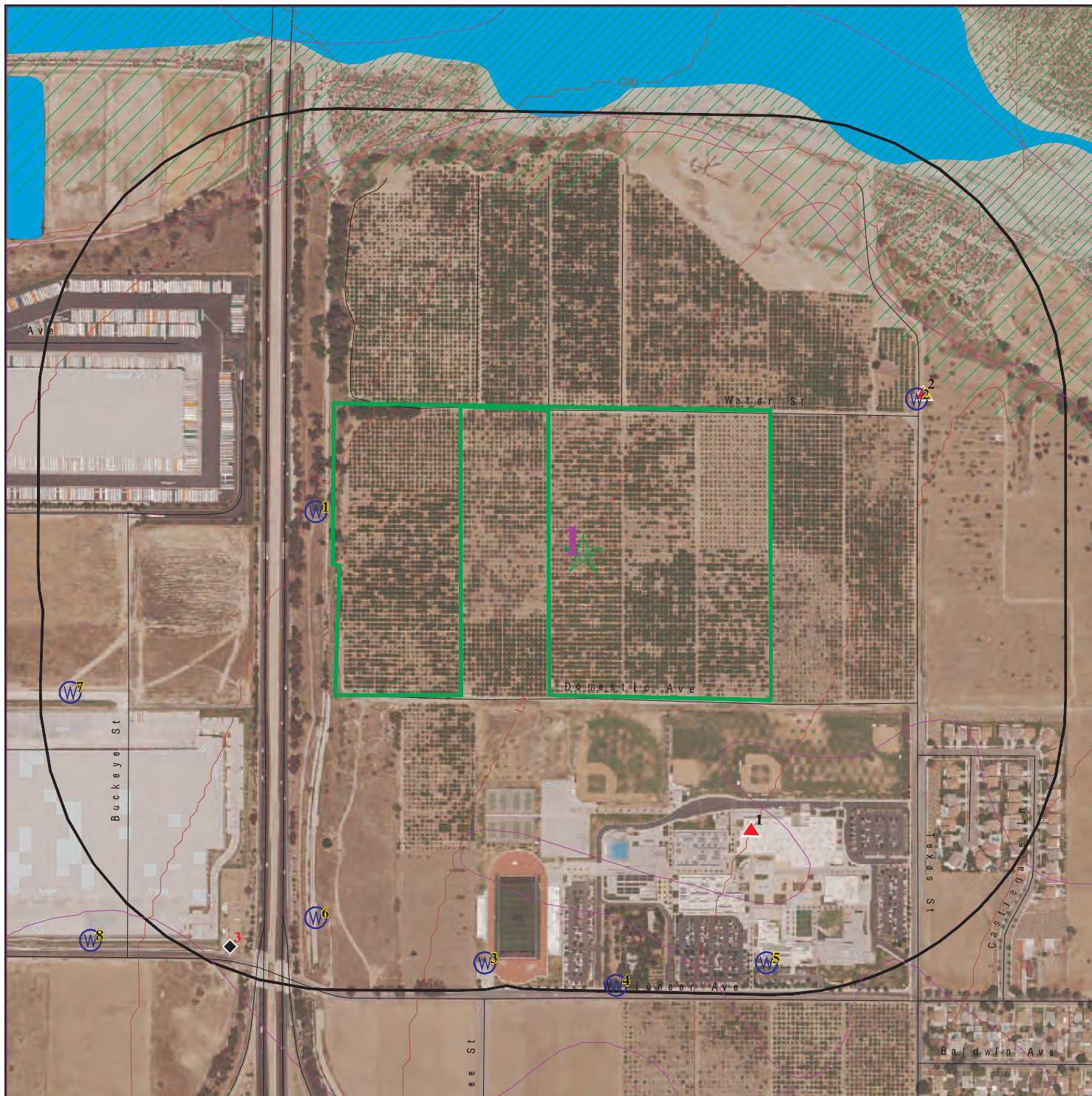







This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.





SITE NAME: 46-Acres Redlands
 ADDRESS: Domestic Avenue
 Redlands CA 92374
 LAT/LONG: 34.086462 / 117.196086

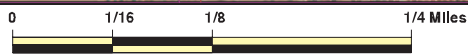
CLIENT: Petra Geotechnical Inc
 CONTACT: Jon Cain
 INQUIRY #: 05585859.2r
 DATE: March 11, 2019 1:50 pm

DETAIL MAP - 05585859.2R



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 46-Acres Redlands
 ADDRESS: Domestic Avenue
 Redlands CA 92374
 LAT/LONG: 34.086462 / 117.196086

CLIENT: Petra Geotechnical Inc
 CONTACT: Jon Cain
 INQUIRY #: 05585859.2r
 DATE: March 11, 2019 1:56 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	1	NR	1
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL RESPONSE</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i>								
ENVIROSTOR	1.000		1	0	1	0	NR	2
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		1	0	NR	NR	NR	1
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
<i>Local Land Records</i>								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	1	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	1	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
San Bern. Co. Permit	0.250		0	2	NR	NR	NR	2
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0

- Totals --		0	2	3	1	4	0	10
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOD
Region
NW
1/2-1
3999 ft.

NORTON AIR FORCE BASE (CLOSED)
NORTON AIR FORCE BASE (CL (County), CA)

DOD **CUSA143166**
N/A

DOD:

Feature 1: Air Force DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Norton Air Force Base (Closed)
Name 2: Not reported
Name 3: Not reported
State: CA
DOD Site: Yes
Tile name: CASAN_BERNARDINO

NPL
Region
WNW
1/2-1
4717 ft.

NORTON AIR FORCE BASE (LND FLL #2)
I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408

NPL **1000417274**
SEMS **CA4570024345**
CORRACTS
RCRA-TSDF
RCRA-SQG
US ENG CONTROLS
US INST CONTROL
ROD
PADS

NPL:

EPA ID: CA4570024345
Cerclis ID: 902760
EPA Region: 9
Federal: Y
Final Date: 1987-07-22 00:00:00
Site Score: 39.649999999999999
Latitude: 34.098061000000001
Longitude: -117.2372

Category Details:

NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 50 And <= 100 Feet
Category Value: 80

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Site Details:

Site Name: NORTON AIR FORCE BASE (LND FLL #2)
Site Status: Final
Site Zip: 92408
Site City: SAN BERNARDINO
Site State: CA
Federal Site: Yes
Site County: SAN BERNARDINO
EPA Region: 09
Date Proposed: 10/15/84
Date Deleted: Not reported
Date Finalized: 07/22/87

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Substance Details:

NPL Status: Currently on the Final NPL
Substance ID: Not reported
Substance: Not reported
CAS #: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: U211
Substance: CARBON TETRACHLORIDE
CAS #: 56-23-5
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U228
Substance: TRICHLOROETHYLENE (TCE)
CAS #: 79-01-6
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal October 15, 1984): Norton Air Force Base covers approximately 2,036 acres 58 miles east of Los Angeles near the City of San Bernardino, San Bernardino County, California. It is in a low-lying alluvial plain surrounded on the north and east by the San Bernardino Mountain Range. The base began operations in 1942 and has served as a major overhaul center for jet engines and the general repair of aircraft. Since 1962, the facility has served as a Military Airlift Command Base. In addition, Norton formerly had the responsibility for providing maintenance and logistics for liquid-fuel intercontinental ballistic missiles. Past hazardous waste management practices may have contributed to existing contamination problems throughout the base. The practices include burial of drums and other unspecified materials; disposal of waste oils, solvents, and paint residues into landfills, unlined pits, ponds, and drying beds; storage in leaking underground tanks; and spills of AVGAS, oils, solvents, PCBs, and acidic plating solutions. Industrial solvents have been used extensively on the base. Unknown quantities of spent solvents were disposed of in several base landfills. A well on the base has been contaminated with trichloroethylene (TCE). The well water is currently being used in a blended system and is sampled quarterly to ensure that TCE is below the California State action level. The water is used by approximately 11,000 people who live and/or work on the base. Norton Air Force Base is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The Air Force has completed Phase I records search). Phase II remedial investigation) is underway. Status July 22, 1987): In November 1986, the California Regional Water Quality Control Board issued a Cleanup and Abatement Order requiring Norton to clean up one on-base area, the Industrial Waste Water Treatment Plant Sludge Drying Beds. Phase II-Stage 2 of the IRP was completed in December 1986. It focused on characterization of the contamination at 18 on-base areas. More than 22 areas have been identified to date. Additional areas will be studied in Stage 3, scheduled to begin in the fall of 1987. Within the boundaries of this Federal facility, there are areas subject to the Subtitle C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

corrective action authorities of the Resource Conservation and Recovery Act RCRA). However, no such areas were included in scoring this specific site. Therefore, this Federal facility site is being placed on the Federal section of the NPL under the NPL/RCRA policy announced on September 8, 1983 48 FR 40662).

Site Status Details:

NPL Status: Final
Proposed Date: 10/15/1984
Final Date: 07/22/1987
Deleted Date: Not reported

Narratives Details:

NPL Name: NORTON AIR FORCE BASE (LNDFLL #2)
City: SAN BERNARDINO
State: CA

SEMS:

Site ID: 0902760
EPA ID: CA4570024345
Cong District: 31,40
FIPS Code: 06071
Latitude: 34.098061
Longitude: -117.237200
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1
Start Date: 1988-06-01 04:00:00
Finish Date: 6/1/1988 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 00
Action Code: CM
Action Name: PCOR
SEQ: 1
Start Date: 2006-05-16 04:00:00
Finish Date: 5/16/2006 4:00:00 AM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	00
Action Code:	CR
Action Name:	CI
SEQ:	1
Start Date:	1987-09-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	00
Action Code:	MA
Action Name:	ST COOP
SEQ:	1
Start Date:	1989-04-30 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2000-07-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	01
Action Code:	OM
Action Name:	OM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

SEQ: 1
Start Date: 1996-07-26 04:00:00
Finish Date: 12/21/2005 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 01
Action Code: LY
Action Name: FF RA
SEQ: 1
Start Date: 1994-09-16 04:00:00
Finish Date: 7/26/1996 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 2
Start Date: 1995-12-21 05:00:00
Finish Date: 7/28/1999 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1987-07-22 04:00:00
Finish Date: 7/22/1987 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1984-04-01 06:00:00
Finish Date:	4/1/1984 6:00:00 AM
Qual:	L
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	3
Start Date:	1997-06-25 04:00:00
Finish Date:	6/25/1997 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	00
Action Code:	LV
Action Name:	FF RV
SEQ:	1
Start Date:	1991-01-04 05:00:00
Finish Date:	4/8/1992 4:00:00 AM
Qual:	C
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-08-01 04:00:00
Finish Date:	8/1/1980 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 01
Action Code: RO
Action Name: ROD
SEQ: 1
Start Date: 1993-11-24 05:00:00
Finish Date: 11/24/1993 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: EE
Action Name: EE/CA
SEQ: 1
Start Date: 1996-03-29 05:00:00
Finish Date: 3/29/1996 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 00
Action Code: NP
Action Name: PROPOSED
SEQ: 1
Start Date: 1984-10-15 05:00:00
Finish Date: 10/15/1984 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 01
Action Code: LX
Action Name: FF RD
SEQ: 1
Start Date: 1993-11-24 05:00:00
Finish Date: 9/16/1994 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 2
Start Date: 2005-09-29 04:00:00
Finish Date: 9/29/2005 4:00:00 AM
Qual: R
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LW
Action Name: FF RI/FS
SEQ: 3
Start Date: 1998-10-01 04:00:00
Finish Date: 6/10/2003 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 12
Start Date: 1996-04-15 04:00:00
Finish Date: 7/22/1997 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 11
Start Date: 1997-06-25 04:00:00
Finish Date: 12/8/1998 5:00:00 AM

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	02
Action Code:	LV
Action Name:	FF RV
SEQ:	9
Start Date:	1997-06-30 04:00:00
Finish Date:	12/8/1998 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	02
Action Code:	LV
Action Name:	FF RV
SEQ:	8
Start Date:	1996-04-18 04:00:00
Finish Date:	12/19/1997 5:00:00 AM
Qual:	P
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	02
Action Code:	LV
Action Name:	FF RV
SEQ:	7
Start Date:	1996-04-25 04:00:00
Finish Date:	9/30/1999 4:00:00 AM
Qual:	S
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902760
EPA ID:	CA4570024345
Site Name:	NORTON AIR FORCE BASE (LNDFLL #2)
NPL:	F
FF:	Y
OU:	02
Action Code:	LV
Action Name:	FF RV

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

SEQ: 6
Start Date: 1996-03-25 05:00:00
Finish Date: 4/22/1997 4:00:00 AM
Qual: P
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 17
Start Date: 1996-09-20 04:00:00
Finish Date: 11/15/1996 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 16
Start Date: 2003-12-11 05:00:00
Finish Date: 12/3/2004 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 15
Start Date: 2003-12-17 05:00:00
Finish Date: 9/29/2005 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 14
Start Date: 2003-11-24 05:00:00
Finish Date: 9/29/2005 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: LV
Action Name: FF RV
SEQ: 13
Start Date: 2004-02-02 05:00:00
Finish Date: 9/29/2005 4:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 01
Action Code: LW
Action Name: FF RI/FS
SEQ: 1
Start Date: 1989-06-29 04:00:00
Finish Date: 11/24/1993 5:00:00 AM
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345
Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 02
Action Code: OM
Action Name: OM
SEQ: 2
Start Date: 1999-11-28 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902760
EPA ID: CA4570024345

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Site Name: NORTON AIR FORCE BASE (LNDFLL #2)
NPL: F
FF: Y
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1984-04-01 06:00:00
Finish Date: 4/1/1984 6:00:00 AM
Qual: H
Current Action Lead: Fed Fac

CORRACTS:

EPA ID: CA4570024345
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20000522
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: 20000522
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 20000522
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: 20000522
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19980618
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: 19980618
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: ENTIRE FACILITY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Actual Date: 19950601
Action: CA550RC
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: 19950601
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19950601
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19941007
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19941007
Action: CA450 - Corrective Measures Design Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: ENTIRE FACILITY
Actual Date: 19931124
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security
Original schedule date: 19931124
Schedule end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19931124
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19930205
Action: CA350 - CMS Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19930205
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19930205
Action: CA200 - RFI Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19930205
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19920501
Action: CA650 - Stabilization Construction Completed
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA4570024345
EPA Region: 9
Area Name: CENTRAL BASE AREA OU
Actual Date: 19890713
Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction
and treatment
NAICS Code(s): 332813 92811 92811
Electroplating, Plating, Polishing, Anodizing, and Coloring
National Security
National Security

Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:

Date form received by agency: 09/01/1996
Facility name: USAF NORTON AFB
Facility address: 305 S TIPPECANOE AVE
SAN BERNARDINO, CA 92408
EPA ID: CA4570024345
Mailing address: 63RD CIV ENG SQU/DEEV
NORTON AFB, CA 92409
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Federal
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: MULTIPLE OPS - USAF & DPDO
Owner/operator address: US DEPT OF AIR FORCE NORTON
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 714-382-3909
Owner/operator email: Not reported
Owner/operator fax: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US AIR FORCE
Owner/operator address: NORTON AFB
SAN BERNARDINO, CA 92409

Owner/operator country: Not reported
Owner/operator telephone: 714-382-3909
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: USAF NORTON AFB
Classification: Small Quantity Generator

Date form received by agency: 03/11/1996
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Site name: USAF NORTON AFB
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 04/17/1990
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Date form received by agency: 08/18/1980
Site name: USAF NORTON AFB
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 04/01/1984
Event: PA OR CERCLA INSPECTION

Event date: 06/01/1984
Event: LEAD AGENCY DETERMINATION

Event date: 06/01/1984
Event: PA OR CERCLA INSPECTION

Event date: 06/01/1984
Event: RFA COMPLETED

Event date: 07/13/1989
Event: INVESTIGATION IMPOSITION

Event date: 07/13/1989
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 07/13/1989
Event: CMS IMPOSITION

Event date: 05/01/1992
Event: STABILIZATION CONSTRUCTION COMPLETED

Event date: 02/05/1993
Event: INVESTIGATION COMPLETE

Event date: 02/05/1993
Event: CMS WORKPLAN APPROVED

Event date: 02/05/1993
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 02/05/1993
Event: CMS COMPLETE

Event date: 11/24/1993
Event: REMEDY DECISION

Event date: 11/24/1993
Event: REMEDY DECISION

Event date: 10/07/1994
Event: CMI WORKPLAN APPROVED

Event date: 10/07/1994
Event: CORRECTIVE MEASURES DESIGN APPROVED

Event date: 06/01/1995
Event: REMEDY CONSTRUCTION

Map ID
Direction
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFL #2) (Continued)

1000417274

Event date: 06/01/1995
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 01/01/1996
Event: REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA

Event date: 06/18/1998
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/18/1998
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/18/1998
Event: REFERRED TO A NON-RCRA AUTHORITY

Event date: 06/18/1998
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/18/1998
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/18/1998
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 05/22/2000
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/22/2000
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/22/2000
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 05/22/2000
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/22/2003
Date achieved compliance: 07/27/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFFL #2) (Continued)

1000417274

Regulation violated: F - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFFL #2) (Continued)

1000417274

Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General

Map ID
Direction
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Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Date violation determined: 02/27/1991
Date achieved compliance: 05/16/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/30/1989
Date achieved compliance: 03/14/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/11/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/26/1988
Date achieved compliance: 10/30/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/20/1987
Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/20/1987

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/20/1987
Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/23/1987
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/06/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/23/1987
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/13/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

Map ID
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MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/29/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/11/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/25/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/22/2003
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/27/2005
Evaluation lead agency: State

Evaluation date: 01/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/28/1994
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Evaluation date: 03/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/28/1994
Evaluation lead agency: State

Evaluation date: 03/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/19/1992
Evaluation lead agency: State

Evaluation date: 03/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/19/1992
Evaluation lead agency: State

Evaluation date: 02/27/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/16/1991
Evaluation lead agency: State

Evaluation date: 10/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/14/1990
Evaluation lead agency: State

Evaluation date: 07/26/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/30/1989
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 07/30/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

Map ID
Direction
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
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NORTON AIR FORCE BASE (LNDLFL #2) (Continued)

1000417274

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/30/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/23/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/23/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 08/06/1987
Evaluation lead agency: State

RCRA-SQG:

Date form received by agency: 09/01/1996
Facility name: USAF NORTON AFB
Facility address: 305 S TIPPECANOE AVE
SAN BERNARDINO, CA 92408
EPA ID: CA4570024345
Mailing address: 63RD CIV ENG SQU/DEEV
NORTON AFB, CA 92409
Contact: Not reported
Contact address: Not reported
Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 09
Land type: Federal
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: MULTIPLE OPS - USAF & DPDO
Owner/operator address: US DEPT OF AIR FORCE NORTON
CITY NOT REPORTED, CA 99999
Owner/operator country: Not reported
Owner/operator telephone: 714-382-3909
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US AIR FORCE
Owner/operator address: NORTON AFB

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

SAN BERNARDINO, CA 92409
Owner/operator country: Not reported
Owner/operator telephone: 714-382-3909
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: Yes
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 09/01/1996
Site name: USAF NORTON AFB
Classification: Small Quantity Generator

Date form received by agency: 03/11/1996
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 03/28/1994
Site name: USAF NORTON AFB
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 04/17/1990
Site name: NORTON AIR FORCE BASE
Classification: Large Quantity Generator

Date form received by agency: 08/18/1980
Site name: USAF NORTON AFB
Classification: Large Quantity Generator

Corrective Action Summary:

Event date: 04/01/1984
Event: PA OR CERCLA INSPECTION

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NORTON AIR FORCE BASE (LNDFL #2) (Continued)

1000417274

Event date:	06/01/1984
Event:	LEAD AGENCY DETERMINATION
Event date:	06/01/1984
Event:	PA OR CERCLA INSPECTION
Event date:	06/01/1984
Event:	RFA COMPLETED
Event date:	07/13/1989
Event:	INVESTIGATION IMPOSITION
Event date:	07/13/1989
Event:	STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT
Event date:	07/13/1989
Event:	CMS IMPOSITION
Event date:	05/01/1992
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	02/05/1993
Event:	INVESTIGATION COMPLETE
Event date:	02/05/1993
Event:	CMS WORKPLAN APPROVED
Event date:	02/05/1993
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	02/05/1993
Event:	CMS COMPLETE
Event date:	11/24/1993
Event:	REMEDY DECISION
Event date:	11/24/1993
Event:	REMEDY DECISION
Event date:	10/07/1994
Event:	CMI WORKPLAN APPROVED
Event date:	10/07/1994
Event:	CORRECTIVE MEASURES DESIGN APPROVED
Event date:	06/01/1995
Event:	REMEDY CONSTRUCTION
Event date:	06/01/1995
Event:	REMEDY CONSTRUCTION-REMEDY CONSTRUCTED
Event date:	01/01/1996
Event:	REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA
Event date:	06/18/1998
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS

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NORTON AIR FORCE BASE (LNDFL #2) (Continued)

1000417274

DATE

Event date: 06/18/1998
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Event date: 06/18/1998
Event: REFERRED TO A NON-RCRA AUTHORITY

Event date: 06/18/1998
Event: STABILIZATION MEASURES EVALUATION-FACILITY NOT AMENABLE TO STABILIZATION

Event date: 06/18/1998
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 06/18/1998
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 05/22/2000
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/22/2000
Event: RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION

Event date: 05/22/2000
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 05/22/2000
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/22/2003
Date achieved compliance: 07/27/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.30-34.C
Area of violation: Generators - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.40-43.D
Area of violation: Generators - General
Date violation determined: 04/22/1993
Date achieved compliance: 01/28/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/22/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.30-37.C
Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/15/1992
Date achieved compliance: 06/19/1992
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 02/27/1991
Date achieved compliance: 05/16/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 10/30/1989
Date achieved compliance: 03/14/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/11/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/26/1988
Date achieved compliance: 10/30/1989
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.90-94.F
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/20/1987
Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 08/20/1987
Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/20/1987
Date achieved compliance: 07/26/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/23/1987
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/06/1987
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: F - 270
Area of violation: TSD - General
Date violation determined: 06/23/1987
Date achieved compliance: 08/06/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/13/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2016
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

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EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Evaluation date: 04/29/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/11/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/25/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/22/2003
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/27/2005
Evaluation lead agency: State

Evaluation date: 01/26/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/28/1994
Evaluation lead agency: State

Evaluation date: 03/08/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 01/28/1994
Evaluation lead agency: State

Evaluation date: 03/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General

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EDR ID Number
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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Date achieved compliance: 06/19/1992
Evaluation lead agency: State

Evaluation date: 03/30/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/19/1992
Evaluation lead agency: State

Evaluation date: 02/27/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/16/1991
Evaluation lead agency: State

Evaluation date: 10/30/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/14/1990
Evaluation lead agency: State

Evaluation date: 07/26/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/30/1989
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 08/20/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/26/1988
Evaluation lead agency: EPA

Evaluation date: 07/30/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/30/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

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MAP FINDINGS

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Database(s)

EDR ID Number
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NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Evaluation date: 06/23/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/23/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 08/06/1987
Evaluation lead agency: State

US ENG CONTROLS:

EPA ID: CA4570024345
Site ID: 0902760
Name: NORTON AIR FORCE BASE (LNDFLL #2)
Address: I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408

EPA Region: 09
County: SAN BERNARDINO
Event Code: Not reported
Actual Date: 09/30/2005
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Air Stripping
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Alternate Drinking Water, (N.O.S.)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION

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NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Discharge
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Extraction
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Pump And Treat
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Groundwater
Engineering Control: Reinjection
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Carbon Adsorption
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

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NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Disposal
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Monitoring
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Soil Vapor Extraction (ex-situ)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Engineering Control: Soil Vapor Extraction (in-situ)
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/29/2005
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Disposal
Contact Name: Not reported

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EPA ID Number

NORTON AIR FORCE BASE (LNDFLL #2) (Continued)

1000417274

Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/29/2005
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: Excavation
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 09/29/2005
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: No Further Action
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/25/1997
Operable Unit: 02
Contaminated Media : Groundwater
Engineering Control: No Further Action
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

Action ID: 003
Action Name: RECORD OF DECISION
Action Completion date: 06/25/1997
Operable Unit: 02
Contaminated Media : Soil
Engineering Control: No Further Action
Contact Name: Not reported
Contact Phone and Ext: Not reported
Event Code Description: Not reported

US INST CONTROL:

EPA ID: CA4570024345
Site ID: 0902760
Name: NORTON AIR FORCE BASE (LNDFLL #2)
Action Name: RECORD OF DECISION
Address: I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408
EPA Region: 09
County: SAN BERNARDINO
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 12/31/1993
Compleat. Date: 11/24/1993

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LND FLL #2) (Continued)

1000417274

Operable Unit: 01
Contaminated Media : Groundwater
Contact Name : Not reported
Contact Phone and Ext :Not reported
Event Code Description:Not reported

EPA ID: CA4570024345
Site ID: 0902760
Name: NORTON AIR FORCE BASE (LND FLL #2)
Action Name: RECORD OF DECISION
Address: I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408

EPA Region: 09
County: SAN BERNARDINO
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 12/31/1993
Comple. Date: 11/24/1993
Operable Unit: 01
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext :Not reported
Event Code Description:Not reported

EPA ID: CA4570024345
Site ID: 0902760
Name: NORTON AIR FORCE BASE (LND FLL #2)
Action Name: RECORD OF DECISION
Address: I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408

EPA Region: 09
County: SAN BERNARDINO
Event Code: Not reported
Inst. Control: Covenant
Actual Date: 09/30/2005
Comple. Date: 09/29/2005
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported
Contact Phone and Ext :Not reported
Event Code Description:Not reported

EPA ID: CA4570024345
Site ID: 0902760
Name: NORTON AIR FORCE BASE (LND FLL #2)
Action Name: RECORD OF DECISION
Address: I-10/US 395 FORMER NORTON AFB
SAN BERNARDINO, CA 92408

EPA Region: 09
County: SAN BERNARDINO
Event Code: Not reported
Inst. Control: Deed Restriction
Actual Date: 06/30/1997
Comple. Date: 06/25/1997
Operable Unit: 02
Contaminated Media : Soil
Contact Name : Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NORTON AIR FORCE BASE (LNDFL #2) (Continued)

1000417274

Contact Phone and Ext :Not reported
Event Code Description:Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

PADS:

EPAID: CA4570024345
Facility name: USAF NORTON AFB
Facility Address: 63 CES DEV
NORTON AFB, CA 92409
Facility country: US
Generator: Yes
Storer: No
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: US DOD
Contact title: Not reported
Contact name: EDMUND M DIENZO
Contact tel: 714-382-2444
Contact extension: Not reported
Contact Email: Not reported
Mailing address: 63 CES DEV
NORTON AFB, CA 92409
Mailing country: US
Cert. date: 06/22/1990

1
SSE
< 1/8
0.109 mi.
578 ft.

**NEW HIGH SCHOOL NO.3
TEXAS STREET/W. PIONEER AVENUE
REDLANDS, CA 92374**

**ENVIROSTOR S107736878
SCH N/A**

**Relative:
Higher
Actual:
1300 ft.**

ENVIROSTOR:

Facility ID: 36010062
Status: No Further Action
Status Date: 04/19/2007
Site Code: 404541
Site Type: School Investigation
Site Type Detailed: School
Acres: 55
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 40
Senate: 23
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.08305
Longitude: -117.1936

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW HIGH SCHOOL NO.3 (Continued)

S107736878

APN: 167-061-04, 167-061-05, 167-061-06, 167-061-09, 167-061-10,
167-061-11, 167-061-12, 167-061-14, 167-061-15, 167-061-18,
167-061-19, 167-061-21, 167-061-22, 167-061-24, 167-061-25

Past Use: RESIDENTIAL AREA

Potential COC: Lead

Confirmed COC: 30013-NO

Potential Description: SOIL

Alias Name: Citrus Valley High School

Alias Type: Alternate Name

Alias Name: NEW HIGH SCHOOL NO. 3

Alias Type: Alternate Name

Alias Name: REDLANDS UNIFIED SCHOOL DISTRICT

Alias Type: Alternate Name

Alias Name: REDLANDS USD-PROPOSED NEW HIGH SCHOOL 3

Alias Type: Alternate Name

Alias Name: 167-061-04

Alias Type: APN

Alias Name: 167-061-05

Alias Type: APN

Alias Name: 167-061-06

Alias Type: APN

Alias Name: 167-061-09

Alias Type: APN

Alias Name: 167-061-10

Alias Type: APN

Alias Name: 167-061-11

Alias Type: APN

Alias Name: 167-061-12

Alias Type: APN

Alias Name: 167-061-14

Alias Type: APN

Alias Name: 167-061-15

Alias Type: APN

Alias Name: 167-061-18

Alias Type: APN

Alias Name: 167-061-19

Alias Type: APN

Alias Name: 167-061-21

Alias Type: APN

Alias Name: 167-061-22

Alias Type: APN

Alias Name: 167-061-24

Alias Type: APN

Alias Name: 167-061-25

Alias Type: APN

Alias Name: 404541

Alias Type: Project Code (Site Code)

Alias Name: 36010062

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Endangerment Assessment Report

Completed Date: 07/21/2005

Comments: PEA approved. SSI required for lead-based paint.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW HIGH SCHOOL NO.3 (Continued)

S107736878

Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/08/2007
Comments: DTSC concurred with the sampling plan proposed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 04/09/2007
Comments: DTSC determined based on the Supplemental Site Investigation report that " No Further Action" is required at this Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 07/09/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 04/19/2007
Comments: CRU Memo

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

SCH:

Facility ID: 36010062
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 55
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: 404541
Assembly: 40
Senate: 23
Special Program Status: Not reported
Status: No Further Action
Status Date: 04/19/2007
Restricted Use: NO
Funding: School District
Latitude: 34.08305

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NEW HIGH SCHOOL NO.3 (Continued)

S107736878

Longitude: -117.1936
APN: 167-061-04, 167-061-05, 167-061-06, 167-061-09, 167-061-10, 167-061-11, 167-061-12, 167-061-14, 167-061-15, 167-061-18, 167-061-19, 167-061-21, 167-061-22, 167-061-24, 167-061-25
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: 30013-NO
Potential Description: SOIL
Alias Name: Citrus Valley High School
Alias Type: Alternate Name
Alias Name: NEW HIGH SCHOOL NO. 3
Alias Type: Alternate Name
Alias Name: REDLANDS UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: REDLANDS USD-PROPOSED NEW HIGH SCHOOL 3
Alias Type: Alternate Name
Alias Name: 167-061-04
Alias Type: APN
Alias Name: 167-061-05
Alias Type: APN
Alias Name: 167-061-06
Alias Type: APN
Alias Name: 167-061-09
Alias Type: APN
Alias Name: 167-061-10
Alias Type: APN
Alias Name: 167-061-11
Alias Type: APN
Alias Name: 167-061-12
Alias Type: APN
Alias Name: 167-061-14
Alias Type: APN
Alias Name: 167-061-15
Alias Type: APN
Alias Name: 167-061-18
Alias Type: APN
Alias Name: 167-061-19
Alias Type: APN
Alias Name: 167-061-21
Alias Type: APN
Alias Name: 167-061-22
Alias Type: APN
Alias Name: 167-061-24
Alias Type: APN
Alias Name: 167-061-25
Alias Type: APN
Alias Name: 404541
Alias Type: Project Code (Site Code)
Alias Name: 36010062
Alias Type: Envirostor ID Number
Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/21/2005
Comments: PEA approved. SSI required for lead-based paint.

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

NEW HIGH SCHOOL NO.3 (Continued)

S107736878

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Workplan
 Completed Date: 01/08/2007
 Comments: DTSC concurred with the sampling plan proposed

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Supplemental Site Investigation Report
 Completed Date: 04/09/2007
 Comments: DTSC determined based on the Supplemental Site Investigation report that " No Further Action" is required at this Site.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Environmental Oversight Agreement
 Completed Date: 07/09/2004
 Comments: Not reported

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Cost Recovery Closeout Memo
 Completed Date: 04/19/2007
 Comments: CRU Memo

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

2
ENE
1/8-1/4
0.130 mi.
688 ft.

BLUE GOOSE GROWERS
1600 TEXAS ST
REDLANDS, CA 92373

HIST UST **U001575386**
San Bern. Co. Permit **N/A**

Relative:
Higher
Actual:
1295 ft.

HIST UST:
 File Number: 00029EA9
 URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029EA9.pdf>
 Region: STATE
 Facility ID: 00000007389
 Facility Type: Other
 Other Type: CITRUS PACKING HOUSE
 Contact Name: Not reported
 Telephone: 7147932188
 Owner Name: FMC CORPORATION
 Owner Address: 1540 LINDEN ST.
 Owner City,St,Zip: RIVERSIDE, CA 92507
 Total Tanks: 0001

 Tank Num: 001
 Container Num: 1
 Year Installed: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BLUE GOOSE GROWERS (Continued)

U001575386

Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: None

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00001000
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 10
Leak Detection: None

Click here for Geo Tracker PDF:

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0005643
Owner: REDLANDS HEIGHTS CITRUS
Permit Number: PT0009268
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 07/31/2004

Region: SAN BERNARDINO
Facility ID: FA0005643
Owner: REDLANDS HEIGHTS CITRUS
Permit Number: PT0009267
Permit Category: HAZMAT HANDLER 11-25 EMPLOYEES
Facility Status: INACTIVE
Expiration Date: 07/31/2004

3
SW
1/8-1/4
0.231 mi.
1221 ft.

AT&T MOBILITY - 30 FWY/PIONEER OVERLAY (USID12380)
27630 N PIONEER AVE
REDLANDS, CA 92374

San Bern. Co. Permit S121309744
N/A

Relative:
Lower
Actual:
1266 ft.

San Bern. Co. Permit:

Region: SAN BERNARDINO
Facility ID: FA0009030
Owner: New Cingular Wireless PCS, LLC dba AT&T Mobility
Permit Number: PT0015898
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 08/31/2019

Region: SAN BERNARDINO
Facility ID: FA0009030
Owner: New Cingular Wireless PCS, LLC dba AT&T Mobility
Permit Number: PT0020721
Permit Category: EPCRA FACILITY
Facility Status: INACTIVE
Expiration Date: 08/31/2013

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

4
SSE
1/4-1/2
0.490 mi.
2589 ft.

REDLANDS FARMING COMPANY
780 WEST SAN BERNARDINO AVENUE
REDLANDS, CA 92373

ENVIROSTOR **1000277298**
N/A

Relative:
Higher
Actual:
1324 ft.

ENVIROSTOR:
Facility ID: 36350019
Status: Refer: Other Agency
Status Date: 08/22/1995
Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Cypress
Assembly: 40
Senate: 23
Special Program: * CERC2
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 34.07803
Longitude: -117.1901
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: * Pesticides - Rinse Waters * Pesticides - Wastes From Production *
CONTAMINATED SOIL * UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL &
MIXED OIL
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: REDLAND HEIGHTS DOLE
Alias Type: Alternate Name
Alias Name: CAD982360307
Alias Type: EPA Identification Number
Alias Name: 36350019
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/27/1994
Comments: Database verification program confirmed the NFA status for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/10/1989
Comments: SITE SCREENING DONE NO FURTHER ACTION UNDER CERCLA 10/28/88 NFA UNDER
SITE MITIGATION

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 09/15/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

REDLANDS FARMING COMPANY (Continued)

1000277298

Comments: PRELIM ASSESS DONE REDLANDS FARMING: HISTORY OF SITE WASTES DISPOSED OFF SITE,ANY OTHER CONTAMINATION IN LOW QUANITITES

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Screening

Completed Date: 03/20/1987

Comments: SITE SCREENING DONE FURTHER RECORD SEARCH NEEDED TO DETER- MINE EXACT TYPE OF OPERATION.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: * Discovery

Completed Date: 06/20/1983

Comments: FACILITY IDENTIFIED ID VIA DRIVE BY FACILITY DRIVE-BY UNLINED POND WITH OILY WASTE ON SITE. PESTICIDE SPRAY TANKS ON SITE.

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

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
REDLANDS & VICINITY	S105960464	CRAFTON-REDLANDS AREA	BUNKER HILL GROUND WATER SUB-B	92374	CA BOND EXP. PLAN

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 02/15/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	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: 12/12/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: N/A
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 02/15/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/13/2018	Source: EPA
Date Data Arrived at EDR: 12/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 02/15/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 02/07/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	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: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 02/04/2019

Date Data Arrived at EDR: 02/08/2019

Date Made Active in Reports: 03/08/2019

Number of Days to Update: 28

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 02/08/2019

Next Scheduled EDR Contact: 04/08/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

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: 01/28/2019

Date Data Arrived at EDR: 01/29/2019

Date Made Active in Reports: 03/05/2019

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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: 01/28/2019

Date Data Arrived at EDR: 01/29/2019

Date Made Active in Reports: 03/05/2019

Number of Days to Update: 35

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 01/29/2019

Next Scheduled EDR Contact: 05/11/2019

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

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: 02/11/2019

Date Data Arrived at EDR: 02/12/2019

Date Made Active in Reports: 03/05/2019

Number of Days to Update: 21

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 02/12/2019

Next Scheduled EDR Contact: 05/27/2019

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003	Source: California Regional Water Quality Control Board Central Coast Region (3)
Date Data Arrived at EDR: 05/19/2003	Telephone: 805-542-4786
Date Made Active in Reports: 06/02/2003	Last EDR Contact: 07/18/2011
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/31/2011
	Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/15/2011
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: 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	Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Date Data Arrived at EDR: 02/26/2004	Telephone: 760-776-8943
Date Made Active in Reports: 03/24/2004	Last EDR Contact: 08/01/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/14/2011
	Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005	Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Date Data Arrived at EDR: 06/07/2005	Telephone: 760-241-7365
Date Made Active in Reports: 06/29/2005	Last EDR Contact: 09/12/2011
Number of Days to Update: 22	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003	Source: California Regional Water Quality Control Board Lahontan Region (6)
Date Data Arrived at EDR: 09/10/2003	Telephone: 530-542-5572
Date Made Active in Reports: 10/07/2003	Last EDR Contact: 09/12/2011
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/26/2011
	Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008	Source: California Regional Water Quality Control Board Central Valley Region (5)
Date Data Arrived at EDR: 07/22/2008	Telephone: 916-464-4834
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 07/01/2011
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/17/2011
	Data Release Frequency: No Update Planned

LUST REG 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
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

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.

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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/05/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/11/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 05/06/2019
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/20/2018
Date Data Arrived at EDR: 12/21/2018
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 69

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/18/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 01/28/2019
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/28/2018	Telephone: 916-341-6422
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 02/12/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/29/2019
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/17/2019
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/01/2019
Number of Days to Update: 176	Next Scheduled EDR Contact: 05/13/2019
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/21/2018	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 09/21/2018	Telephone: 202-307-1000
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 02/21/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 01/28/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/29/2019	Telephone: 916-323-3400
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 01/29/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/12/2018	Telephone: 916-255-6504
Date Made Active in Reports: 08/06/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
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

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018
Date Data Arrived at EDR: 12/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 8

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018
Date Data Arrived at EDR: 09/12/2018
Date Made Active in Reports: 10/11/2018
Number of Days to Update: 29

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/03/2018	Source: DTSC and SWRCB
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-323-3400
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 03/05/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 03/26/2018	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 02/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 10/24/2018	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/24/2019	Telephone: 916-845-8400
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 01/24/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Quality Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 12/03/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 02/22/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 05/27/2019
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: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/04/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Annually

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: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/08/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/26/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018	Source: EPA
Date Data Arrived at EDR: 10/04/2018	Telephone: 202-564-6023
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 02/15/2019
Number of Days to Update: 36	Next Scheduled EDR Contact: 05/20/2019
	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: 09/14/2018	Source: EPA
Date Data Arrived at EDR: 10/11/2018	Telephone: 202-566-0500
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 04/22/2019
	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: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 01/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: 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: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: Quarterly

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: 08/30/2016	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 09/08/2016	Telephone: 301-415-7169
Date Made Active in Reports: 10/21/2016	Last EDR Contact: 01/22/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 03/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 06/17/2019
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/05/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 01/25/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/03/2018	Telephone: 202-343-9775
Date Made Active in Reports: 11/09/2018	Last EDR Contact: 01/03/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 04/15/2019
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 10/01/2018
Date Data Arrived at EDR: 10/30/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2018
Date Data Arrived at EDR: 10/12/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 56

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/22/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/12/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/15/2019
Next Scheduled EDR Contact: 04/15/2019
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

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

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: 08/01/2018
Date Data Arrived at EDR: 08/29/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/10/2018
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/02/2018
Date Data Arrived at EDR: 09/05/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 03/01/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017	Source: Department of Defense
Date Data Arrived at EDR: 06/19/2018	Telephone: 703-704-1564
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/14/2019
Number of Days to Update: 87	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/22/2018	Source: EPA
Date Data Arrived at EDR: 08/22/2018	Telephone: 800-385-6164
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 02/21/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/20/2018	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 12/21/2018	Telephone: 916-323-3400
Date Made Active in Reports: 02/28/2019	Last EDR Contact: 12/21/2018
Number of Days to Update: 69	Next Scheduled EDR Contact: 04/08/2019
	Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 08/28/2018	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 08/30/2018	Telephone: 925-454-2361
Date Made Active in Reports: 11/01/2018	Last EDR Contact: 02/26/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Varies

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 09/12/2018	Telephone: 415-252-3896
Date Made Active in Reports: 09/19/2018	Last EDR Contact: 01/31/2019
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/04/2018
Date Data Arrived at EDR: 10/05/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 27

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/13/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 42

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 47

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
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: 12/31/2017
Date Data Arrived at EDR: 06/20/2018
Date Made Active in Reports: 08/06/2018
Number of Days to Update: 47

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/01/2019
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: 11/01/2018
Date Data Arrived at EDR: 11/02/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 41

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/10/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/15/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/11/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/10/2018
Date Made Active in Reports: 11/16/2018
Number of Days to Update: 37

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/20/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 13

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 56

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/08/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-322-1080
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/09/2018	Source: Department of Public Health
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-558-1784
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 03/05/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/11/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/12/2019	Telephone: 916-445-9379
Date Made Active in Reports: 03/07/2019	Last EDR Contact: 02/12/2019
Number of Days to Update: 23	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/03/2018	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 12/05/2018	Telephone: 916-445-4038
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 03/05/2019
Number of Days to Update: 37	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 12/10/2018	Source: Department of Conservation
Date Data Arrived at EDR: 12/12/2018	Telephone: 916-323-3836
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	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: 09/19/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/20/2018	Telephone: 916-445-3846
Date Made Active in Reports: 10/19/2018	Last EDR Contact: 12/12/2018
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

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

Date of Government Version: 04/27/2018	Source: Department of Conservation
Date Data Arrived at EDR: 06/13/2018	Telephone: 916-445-2408
Date Made Active in Reports: 07/17/2018	Last EDR Contact: 01/25/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 12/10/2018	Source: State Water Resource Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 05/08/2018	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 07/11/2018	Telephone: 559-445-5577
Date Made Active in Reports: 09/13/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/22/2019
	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: 02/13/2019
Number of Days to Update: 9	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Quarterly

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 12/10/2018	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/11/2018	Telephone: 866-480-1028
Date Made Active in Reports: 01/15/2019	Last EDR Contact: 12/12/2018
Number of Days to Update: 35	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/18/2019
Number of Days to Update: 37

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/24/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

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: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/10/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A	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: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A	Source: Department of Resources Recycling and Recovery
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/13/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 196	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 12/30/2013	Last EDR Contact: 06/01/2012
Number of Days to Update: 182	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/11/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 01/07/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/22/2019
	Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/07/2019	Source: Alameda County Environmental Health Services
Date Data Arrived at EDR: 01/08/2019	Telephone: 510-567-6700
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 01/07/2019
Number of Days to Update: 59	Next Scheduled EDR Contact: 04/24/2047
	Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 58

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 01/24/2019
Date Data Arrived at EDR: 01/25/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 39

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/21/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 05/23/2018
Date Data Arrived at EDR: 05/24/2018
Date Made Active in Reports: 07/13/2018
Number of Days to Update: 50

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

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

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 17

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 01/16/2019
Date Data Arrived at EDR: 02/05/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 28

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/16/2018
Date Data Arrived at EDR: 10/18/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 27

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/19/2018
Next Scheduled EDR Contact: 03/04/2019
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 41

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 29

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/28/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/14/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 14

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 11/08/2018
Date Made Active in Reports: 11/14/2018
Number of Days to Update: 6

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/14/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/17/2019
Date Data Arrived at EDR: 01/18/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 46

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 12/19/2018
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 56

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/22/2019
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/14/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 02/01/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 01/14/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Semi-Annually

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/09/2017	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 03/10/2017	Telephone: 562-570-2563
Date Made Active in Reports: 05/03/2017	Last EDR Contact: 01/17/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 10/05/2018	Telephone: 310-618-2973
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/17/2019
Number of Days to Update: 28	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 02/20/2019	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/22/2019	Telephone: 559-675-7823
Date Made Active in Reports: 03/07/2019	Last EDR Contact: 02/15/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 01/14/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 04/15/2019
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/29/2018
Date Data Arrived at EDR: 08/31/2018
Date Made Active in Reports: 09/19/2018
Number of Days to Update: 19

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 12/07/2018
Date Data Arrived at EDR: 12/11/2018
Date Made Active in Reports: 01/24/2019
Number of Days to Update: 44

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019
Date Data Arrived at EDR: 02/07/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 26

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 12/27/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

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

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019
Date Data Arrived at EDR: 02/22/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/25/2019
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 35

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

ORANGE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2019	Source: Health Care Agency
Date Data Arrived at EDR: 02/07/2019	Telephone: 714-834-3446
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2019	Source: Health Care Agency
Date Data Arrived at EDR: 02/08/2019	Telephone: 714-834-3446
Date Made Active in Reports: 03/06/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2019	Source: Health Care Agency
Date Data Arrived at EDR: 02/05/2019	Telephone: 714-834-3446
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/05/2019
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/20/2019
	Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/29/2018	Source: Placer County Health and Human Services
Date Data Arrived at EDR: 12/04/2018	Telephone: 530-745-2363
Date Made Active in Reports: 01/11/2019	Last EDR Contact: 02/27/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 01/14/2019	Source: Plumas County Environmental Health
Date Data Arrived at EDR: 01/18/2019	Telephone: 530-283-6355
Date Made Active in Reports: 03/05/2019	Last EDR Contact: 01/17/2019
Number of Days to Update: 46	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/29/2019	Source: Department of Environmental Health
Date Data Arrived at EDR: 01/31/2019	Telephone: 951-358-5055
Date Made Active in Reports: 03/06/2019	Last EDR Contact: 12/17/2018
Number of Days to Update: 34	Next Scheduled EDR Contact: 04/01/2019
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/29/2019
Date Data Arrived at EDR: 01/31/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 36

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/17/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

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

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 01/04/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 60

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 01/04/2019
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2018
Date Data Arrived at EDR: 12/28/2018
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 67

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/28/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 11/15/2018
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 27

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/28/2018
Date Data Arrived at EDR: 11/30/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 42

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 02/19/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/05/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 37

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 10/22/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 03/06/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2018
Date Data Arrived at EDR: 11/06/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 38

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 04/01/2019
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 11/14/2018
Date Data Arrived at EDR: 11/15/2018
Date Made Active in Reports: 12/13/2018
Number of Days to Update: 28

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 34

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/23/2019
Number of Days to Update: 36

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/10/2018
Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SANTA CLARA: Cupa Facility List Cupa facility list

Date of Government Version: 02/13/2019
Date Data Arrived at EDR: 02/19/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 15

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 01/30/2019
Date Data Arrived at EDR: 02/01/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 34

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

SOLANO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 38

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2018
Date Data Arrived at EDR: 12/04/2018
Date Made Active in Reports: 12/14/2018
Number of Days to Update: 10

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 12/21/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/19/2018
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/08/2019
Date Data Arrived at EDR: 01/10/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/07/2019
Next Scheduled EDR Contact: 04/08/2019
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 12/11/2018
Date Data Arrived at EDR: 12/13/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 33

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 12/13/2018
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 59

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 12/13/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 28

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

Date of Government Version: 01/18/2019
Date Data Arrived at EDR: 01/23/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 42

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/15/2019
Number of Days to Update: 19

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 02/28/2019
Number of Days to Update: 35

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
Data Release Frequency: Quarterly

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/24/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 42

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/26/2018
Date Data Arrived at EDR: 12/12/2018
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 35

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/12/2018
Next Scheduled EDR Contact: 03/25/2019
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/16/2019
Number of Days to Update: 13

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/26/2018
Next Scheduled EDR Contact: 04/15/2019
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/06/2019
Number of Days to Update: 22

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/11/2019	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 02/12/2019	Telephone: 860-424-3375
Date Made Active in Reports: 03/04/2019	Last EDR Contact: 02/12/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 05/27/2019
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/13/2018	Telephone: N/A
Date Made Active in Reports: 08/01/2018	Last EDR Contact: 01/07/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 04/22/2019
	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: 01/01/2019	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 01/30/2019	Telephone: 518-402-8651
Date Made Active in Reports: 02/14/2019	Last EDR Contact: 01/30/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Environmental Protection
Date Data Arrived at EDR: 10/23/2018	Telephone: 717-783-8990
Date Made Active in Reports: 11/27/2018	Last EDR Contact: 01/11/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017	Source: Department of Environmental Management
Date Data Arrived at EDR: 02/23/2018	Telephone: 401-222-2797
Date Made Active in Reports: 04/09/2018	Last EDR Contact: 02/19/2019
Number of Days to Update: 45	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017	Source: Department of Natural Resources
Date Data Arrived at EDR: 06/15/2018	Telephone: N/A
Date Made Active in Reports: 07/09/2018	Last EDR Contact: 12/07/2018
Number of Days to Update: 24	Next Scheduled EDR Contact: 03/25/2019
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Oil/Gas Pipelines

Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation
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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

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife
Telephone: 916-445-0411

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

46-ACRES REDLANDS
DOMESTIC AVENUE
REDLANDS, CA 92374

TARGET PROPERTY COORDINATES

Latitude (North):	34.086462 - 34° 5' 11.26"
Longitude (West):	117.196086 - 117° 11' 45.91"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	481909.8
UTM Y (Meters):	3771565.5
Elevation:	1280 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5630631 REDLANDS, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

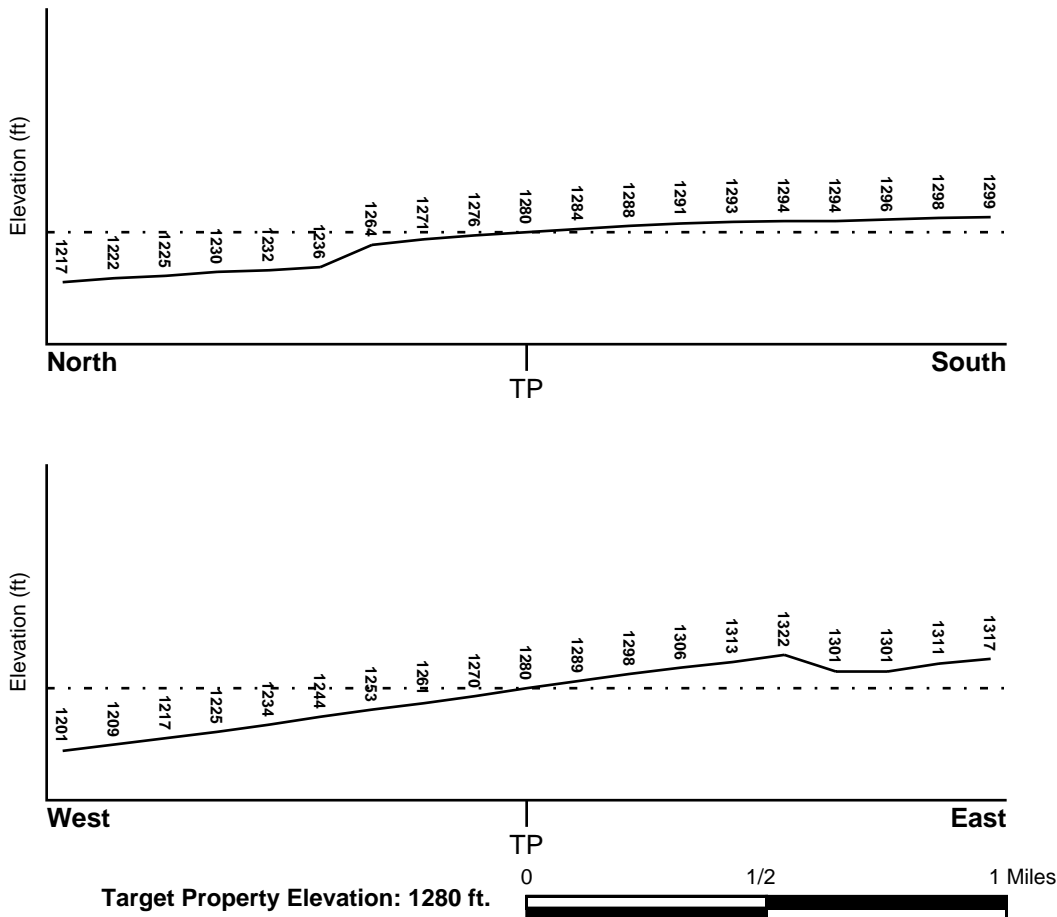
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06071C8704H	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
06071C8702H	FEMA FIRM Flood data
06071C8706H	FEMA FIRM Flood data
06071C8708H	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

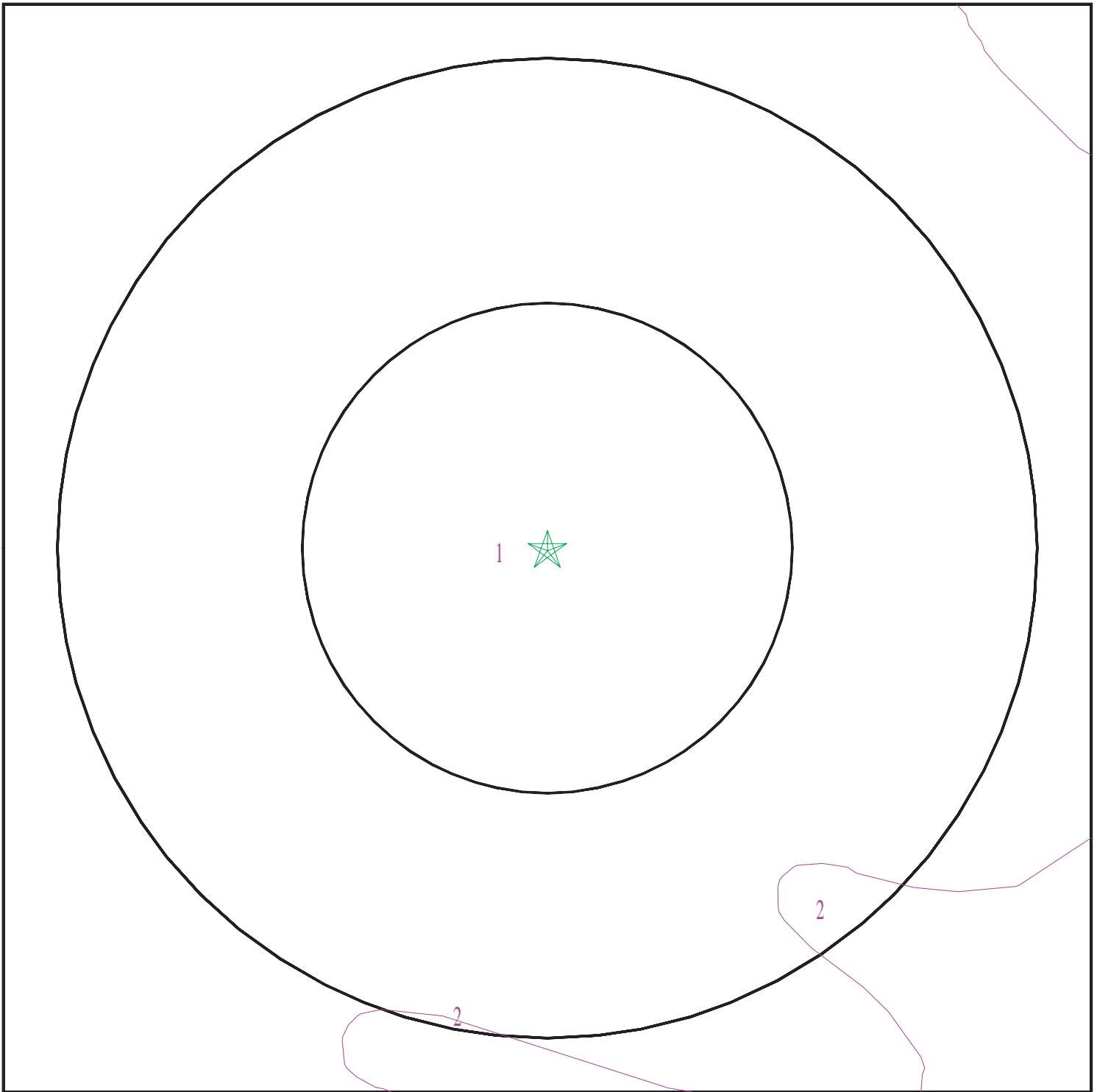
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

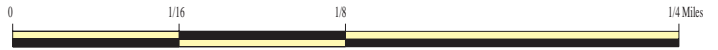
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 05585859.2r



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
Redlands CA 92374
LAT/LONG: 34.086462 / 117.196086

CLIENT: Petra Geotechnical Inc
CONTACT: Jon Cain
INQUIRY #: 05585859.2r
DATE: March 11, 2019 1:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: HANFORD

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	11 inches	59 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6

Soil Map ID: 2

Soil Component Name: TUJUNGA

Soil Surface Texture: gravelly loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1
2	18 inches	59 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 6.1

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000140827	1/8 - 1/4 Mile West
2	USGS40000140841	1/4 - 1/2 Mile ENE
3	USGS40000140734	1/4 - 1/2 Mile SSW
4	USGS40000140730	1/4 - 1/2 Mile South
5	USGS40000140733	1/4 - 1/2 Mile SSE
6	USGS40000140745	1/4 - 1/2 Mile SW
8	USGS40000140739	1/2 - 1 Mile SW
9	USGS40000140729	1/2 - 1 Mile SE
11	USGS40000140712	1/2 - 1 Mile SE
A12	USGS40000140786	1/2 - 1 Mile West
A13	USGS40000140787	1/2 - 1 Mile West
14	USGS40000140628	1/2 - 1 Mile South
B16	USGS40000140809	1/2 - 1 Mile East
17	USGS40000140657	1/2 - 1 Mile SW
C19	USGS40000140590	1/2 - 1 Mile SSE
C20	USGS40000140589	1/2 - 1 Mile SSE
C21	USGS40000140592	1/2 - 1 Mile SSE
C22	USGS40000140591	1/2 - 1 Mile SSE
C24	USGS40000140583	1/2 - 1 Mile SSE
25	USGS40000140568	1/2 - 1 Mile South
D27	USGS40000140793	1/2 - 1 Mile West
D28	USGS40000140794	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

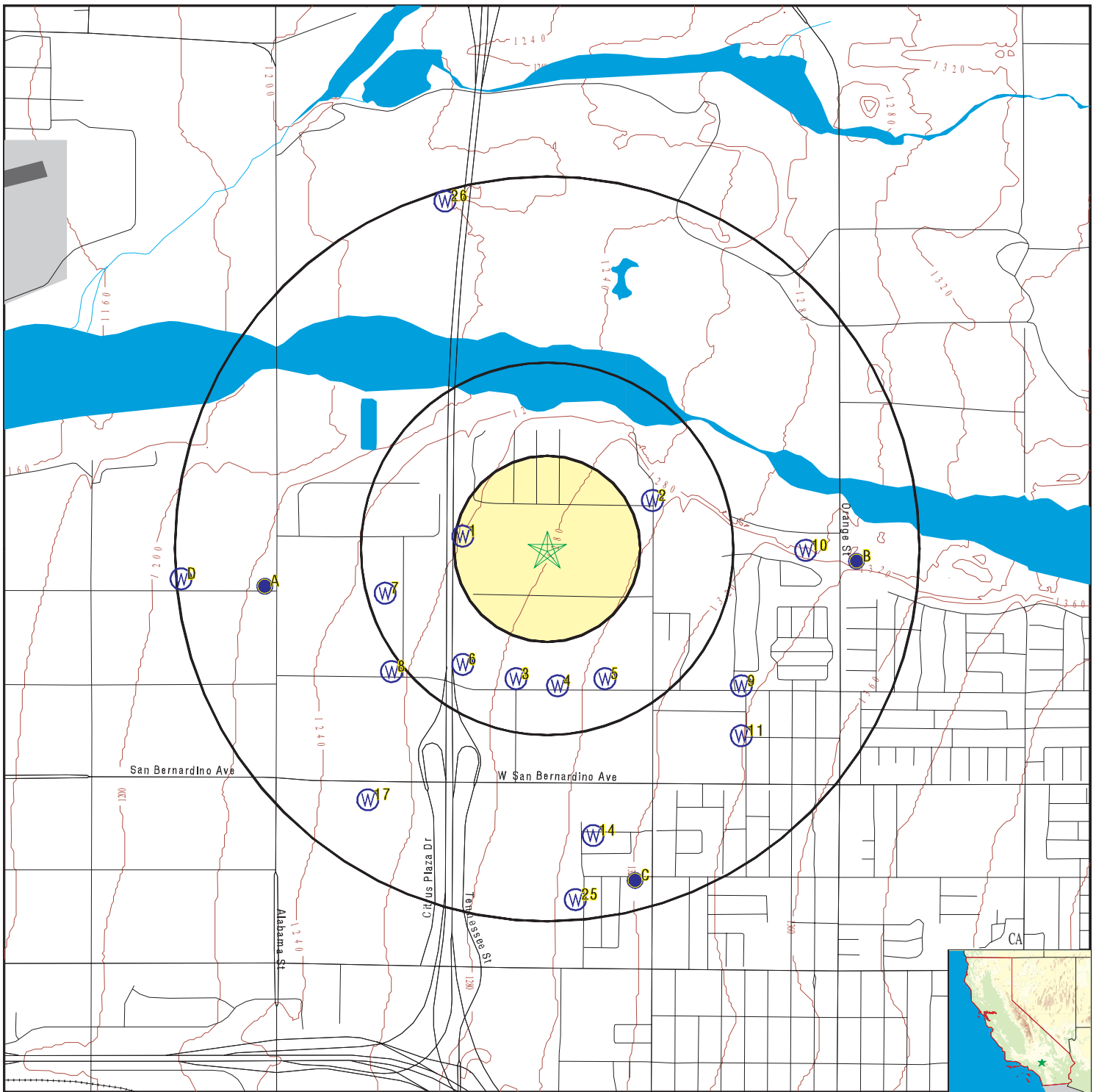
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

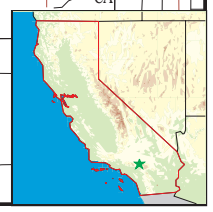
MAP ID	WELL ID	LOCATION FROM TP
7	18784	1/4 - 1/2 Mile WSW
10	815	1/2 - 1 Mile East
A15	CADW60000023205	1/2 - 1 Mile West
B18	816	1/2 - 1 Mile East
C23	CADW60000000820	1/2 - 1 Mile SSE
26	801	1/2 - 1 Mile NNW

PHYSICAL SETTING SOURCE MAP - 05585859.2r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



<p>SITE NAME: 46-Acres Redlands ADDRESS: Domestic Avenue Redlands CA 92374 LAT/LONG: 34.086462 / 117.196086</p>	<p>CLIENT: Petra Geotechnical Inc CONTACT: Jon Cain INQUIRY #: 05585859.2r DATE: March 11, 2019 1:57 pm</p>
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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
West
1/8 - 1/4 Mile
Lower **FED USGS** **USGS40000140827**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16F001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19310101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	400
Well Hole Depth Units:	ft		

2
ENE
1/4 - 1/2 Mile
Higher **FED USGS** **USGS40000140841**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16A001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19490101	Well Depth:	395
Well Depth Units:	ft	Well Hole Depth:	418
Well Hole Depth Units:	ft		

3
SSW
1/4 - 1/2 Mile
Higher **FED USGS** **USGS40000140734**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16K001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19360101	Well Depth:	351
Well Depth Units:	ft	Well Hole Depth:	351
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

4
South
1/4 - 1/2 Mile
Higher

FED USGS USGS40000140730

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16K002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19040101	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	256
Well Hole Depth Units:	ft		

5
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000140733

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16J001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19310101	Well Depth:	388
Well Depth Units:	ft	Well Hole Depth:	400
Well Hole Depth Units:	ft		

6
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000140745

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16L002S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19290101	Well Depth:	430
Well Depth Units:	ft	Well Hole Depth:	430
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

7

WSW
1/4 - 1/2 Mile
Lower

CA WELLS 18784

Seq:	18784	Prim sta c:	3610037-054
Frds no:	3610037054	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	CHURCH STREET WELL	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340505.0	Longitude:	1171210.0
Precision:	3	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	3610037	System nam:	REDLANDS CITY MUD-WATER DIV
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		

Sample date:	15-FEB-18	Finding:	5.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	28-DEC-17	Finding:	4.7671
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	30-NOV-17	Finding:	4.8948
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	21-NOV-17	Finding:	4.7321
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	16-NOV-17	Finding:	4.7993
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	07-NOV-17	Finding:	4.8689
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	26-OCT-17	Finding:	4.5855
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	19-OCT-17	Finding:	4.704
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

Sample date:	07-SEP-17	Finding:	4.6647
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	31-AUG-17	Finding:	440.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	31-AUG-17	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	24-AUG-17	Finding:	4.6827
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-AUG-17	Finding:	5.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-AUG-17	Finding:	4.5846
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-AUG-17	Finding:	4.8
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-17	Finding:	4.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-JUL-17	Finding:	4.6017
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-17	Finding:	4.9502
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-MAY-17	Finding:	4.4238
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-MAY-17	Finding:	140.
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃	Report units:	MG/L
Dir:	0.		
Sample date:	18-MAY-17	Finding:	170.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	18-MAY-17	Finding:	2.3e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dir:	1.e-002		
Sample date:	18-MAY-17	Finding:	280.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	04-MAY-17	Finding:	4.3742
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-APR-17	Finding:	0.7
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.1		
Sample date:	20-APR-17	Finding:	32.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	20-APR-17	Finding:	21.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	4.7
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-APR-17	Finding:	7.6
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	20-APR-17	Finding:	380.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	20-APR-17	Finding:	0.16
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	20-APR-17	Finding:	58.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	14.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	2.1
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	6.55
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	20-APR-17	Finding:	0.412
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	1.06
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	200.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	14-APR-17	Finding:	4.4177
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	05-APR-17	Finding:	4.4468
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	30-MAR-17	Finding:	4.41
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	17-NOV-16	Finding:	4.1994
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-SEP-16	Finding:	4.203
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-SEP-16	Finding:	4.2091
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	15-SEP-16	Finding:	4.2371
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-SEP-16	Finding:	4.269
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-SEP-16	Finding:	4.3306
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	25-AUG-16	Finding:	4.3691
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-AUG-16	Finding:	4.4363
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-AUG-16	Finding:	4.4558
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-16	Finding:	4.6
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-16	Finding:	400.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	07-JUL-16	Finding:	3.5539
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	30-JUN-16	Finding:	4.4085
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-JUN-16	Finding:	2.9635
Chemical:	NITRATE (AS N)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	03-MAR-16	Finding:	3.1956
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JAN-16	Finding:	3.2
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JAN-16	Finding:	3.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-JAN-16	Finding:	2.9581
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-OCT-15	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-SEP-15	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-JUL-15	Finding:	4.2013
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-AUG-14	Finding:	440.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	07-AUG-14	Finding:	8.1
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	07-AUG-14	Finding:	110.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	140.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	190.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	54.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	13.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	14.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	07-AUG-14	Finding:	1.9
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	23.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	30.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	07-AUG-14	Finding:	0.7
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	07-AUG-14	Finding:	2.9
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	2.5e-002
Chemical:	DIBROMOCHLOROPROPANE (DBCP)	Report units:	UG/L
Dir:	1.e-002		
Sample date:	07-AUG-14	Finding:	240.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	07-AUG-14	Finding:	0.94
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	07-AUG-14	Finding:	7.4e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	07-AUG-14	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	22-MAY-14	Finding:	20.152
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-SEP-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-13	Finding:	20.225
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-MAY-13	Finding:	20.062
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-JAN-13	Finding:	23.838
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JAN-13	Finding:	20.716
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	10-JAN-13	Finding:	20.132
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JAN-13	Finding:	4600.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-13	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-NOV-12	Finding:	20.676
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-NOV-12	Finding:	20.099
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-OCT-12	Finding:	20.021
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	18-OCT-12	Finding:	20.003
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	27-SEP-12	Finding:	20.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-SEP-12	Finding:	20.852
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-AUG-12	Finding:	21.062
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-AUG-12	Finding:	20.82
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-AUG-12	Finding:	21.085
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-AUG-12	Finding:	23.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-AUG-12	Finding:	5200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	19-JUL-12	Finding:	21.667
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	12-JUL-12	Finding:	21.071
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-JUL-12	Finding:	21.871
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-12	Finding:	2.9
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-JUL-12	Finding:	0.19
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	03-JUL-12	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-JUL-12	Finding:	5.2
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	31-MAY-12	Finding:	22.243
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-MAY-12	Finding:	24.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-MAY-12	Finding:	22.402
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-MAY-12	Finding:	23.966
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-MAY-12	Finding:	24.025
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-APR-12	Finding:	24.12
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-APR-12	Finding:	24.113
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

8
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000140739

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W16L004S	Type:	Well
Description:	Not Reported	HUC:	18070203

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**9
SE
1/2 - 1 Mile
Higher**

FED USGS USGS40000140729

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W15M003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19300101	Well Depth:	382
Well Depth Units:	ft	Well Hole Depth:	396
Well Hole Depth Units:	ft		

**10
East
1/2 - 1 Mile
Higher**

CA WELLS 815

Seq:	815	Prim sta c:	01S/03W-15F02 S
Frds no:	3610037029	County:	36
District:	13	User id:	TAN
System no:	3610037	Water type:	G
Source nam:	ORANGE STREET WELL - INACTIVE	Station ty:	WELL/AMBNT
Latitude:	340511.0	Longitude:	1171059.0
Precision:	3	Status:	IR
Comment 1:	CHLORINATED	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610037	System nam:	REDLANDS CITY MUD-WATER DIV
Hqname:	Not Reported	Address:	PO BOX 3005
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	69300	Connection:	18447
Area serve:	REDLANDS		
Sample date:	15-FEB-18	Finding:	1.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-FEB-18	Finding:	0.8054
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	30-NOV-17	Finding:	1.1697

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	21-NOV-17	Finding:	1.1317
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-NOV-17	Finding:	1.1235
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-NOV-17	Finding:	1.1523
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	26-OCT-17	Finding:	1.0924
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	19-OCT-17	Finding:	1.0948
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	05-OCT-17	Finding:	1.0697
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	07-SEP-17	Finding:	1.1258
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	31-AUG-17	Finding:	280.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	31-AUG-17	Finding:	1.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	24-AUG-17	Finding:	0.9874
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	10-AUG-17	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-AUG-17	Finding:	0.9981
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-AUG-17	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-17	Finding:	1.3
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-JUL-17	Finding:	0.9945
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	06-JUL-17	Finding:	0.9766
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-JUN-17	Finding:	0.9823
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-JUN-17	Finding:	1.1318
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-MAY-17	Finding:	1.0686
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-MAY-17	Finding:	97.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	18-MAY-17	Finding:	190.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	18-MAY-17	Finding:	120.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	04-MAY-17	Finding:	1.1139
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-APR-17	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	13.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	6.7
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	35.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	120.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	0.4
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	20-APR-17	Finding:	15.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	20-APR-17	Finding:	15.
Chemical:	CHLORIDE	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	20-APR-17	Finding:	1.2
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-APR-17	Finding:	7.5
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	20-APR-17	Finding:	230.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	20-APR-17	Finding:	0.55
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	20-APR-17	Finding:	1.06
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	14-APR-17	Finding:	1.0025
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	05-APR-17	Finding:	1.0665
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	30-MAR-17	Finding:	1.04
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	20-MAR-17	Finding:	1.
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	02-FEB-17	Finding:	0.9271
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	26-JAN-17	Finding:	0.9093
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	17-NOV-16	Finding:	0.9801
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-NOV-16	Finding:	0.9681
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-SEP-16	Finding:	1.027
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	22-SEP-16	Finding:	0.9883
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	15-SEP-16	Finding:	0.991
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	08-SEP-16	Finding:	0.996
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-SEP-16	Finding:	0.9809
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	25-AUG-16	Finding:	0.9784
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	18-AUG-16	Finding:	0.979
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	11-AUG-16	Finding:	0.9339
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-16	Finding:	1.1
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-JUL-16	Finding:	260.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US
Dir:	0.		
Sample date:	07-JUL-16	Finding:	0.9125
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	30-JUN-16	Finding:	0.9236
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	23-JUN-16	Finding:	0.9016
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	16-JUN-16	Finding:	0.8742
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	05-MAY-16	Finding:	0.7991
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	28-APR-16	Finding:	0.926
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	14-APR-16	Finding:	0.8963
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-MAR-16	Finding:	0.877
Chemical:	NITRATE (AS N)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.4		
Sample date:	25-FEB-16	Finding:	0.849
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	01-OCT-15	Finding:	4.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-SEP-15	Finding:	4.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-SEP-15	Finding:	4.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	27-AUG-15	Finding:	3.9901
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-15	Finding:	3.9551
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-AUG-15	Finding:	3.8634
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-JUL-15	Finding:	0.9095
Chemical:	NITRATE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	02-JUL-15	Finding:	4.026
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUN-15	Finding:	3.225
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-JUN-15	Finding:	3.672
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	21-MAY-15	Finding:	4.154
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-MAY-15	Finding:	3.562
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-15	Finding:	3.686
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-MAR-15	Finding:	4.689
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	05-MAR-15	Finding:	4.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-FEB-15	Finding:	4.66
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-FEB-15	Finding:	4.227
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-JAN-15	Finding:	4.68
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-DEC-14	Finding:	4.798
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-DEC-14	Finding:	4.779
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-DEC-14	Finding:	4.797
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-DEC-14	Finding:	4.409
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-NOV-14	Finding:	4.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-NOV-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-OCT-14	Finding:	5.2
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-OCT-14	Finding:	4.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-OCT-14	Finding:	4.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-OCT-14	Finding:	5.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-OCT-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-SEP-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.	Finding:	5.
Sample date:	18-SEP-14	Report units:	MG/L
Chemical:	NITRATE (AS NO3)		
Dir:	2.		
Sample date:	11-SEP-14	Finding:	5.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-SEP-14	Finding:	5.075
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	28-AUG-14	Finding:	5.301
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	21-AUG-14	Finding:	4.923
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-AUG-14	Finding:	4.985
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-AUG-14	Finding:	4.973
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-JUL-14	Finding:	5.086
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-JUL-14	Finding:	5.325
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-JUL-14	Finding:	5.155
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-14	Finding:	4.958
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-14	Finding:	1200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JUL-14	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)	Report units:	Not Reported
Dir:	0.		
Sample date:	03-JUL-14	Finding:	7.6e-002
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	03-JUL-14	Finding:	5.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-14	Finding:	0.42
Chemical:	LANGELIER INDEX @ 60 C	Report units:	Not Reported
Dir:	0.		
Sample date:	03-JUL-14	Finding:	180.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	4.2
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	03-JUL-14	Finding:	0.39
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)	Report units:	MG/L
Dir:	0.1		
Sample date:	03-JUL-14	Finding:	16.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	03-JUL-14	Finding:	12.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	2.2
Chemical:	POTASSIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	12.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	6.4
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	34.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	110.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	110.
Chemical:	BICARBONATE ALKALINITY	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	88.
Chemical:	ALKALINITY (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		
Sample date:	03-JUL-14	Finding:	7.9
Chemical:	PH, LABORATORY	Report units:	Not Reported
Dir:	0.		
Sample date:	03-JUL-14	Finding:	290.
Chemical:	SPECIFIC CONDUCTANCE	Report units:	US

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	0.		
Sample date:	03-JUL-14	Finding:	3.2
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	26-JUN-14	Finding:	5.024
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-JUN-14	Finding:	5.219
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-JUN-14	Finding:	5.031
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-JUN-14	Finding:	4.973
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-MAY-14	Finding:	4.958
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-MAY-14	Finding:	5.05
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-MAY-14	Finding:	4.893
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-APR-14	Finding:	4.382
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-MAR-14	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-FEB-14	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-JAN-14	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-JAN-14	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-DEC-13	Finding:	4.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-DEC-13	Finding:	1000.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	21-OCT-13	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-OCT-13	Finding:	5.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-OCT-13	Finding:	5.924
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-SEP-13	Finding:	5.24
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-SEP-13	Finding:	5.5
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-SEP-13	Finding:	5.6
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-SEP-13	Finding:	5.8
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-SEP-13	Finding:	5.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-AUG-13	Finding:	5.3
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-AUG-13	Finding:	5.7
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-AUG-13	Finding:	3.317
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-AUG-13	Finding:	5.579
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-JUL-13	Finding:	5.846
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	18-JUL-13	Finding:	6.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-JUL-13	Finding:	5.492
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JUL-13	Finding:	5.86
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	27-JUN-13	Finding:	5.378
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-JUN-13	Finding:	5.633
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JUN-13	Finding:	5.695
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JUN-13	Finding:	5.752
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-MAY-13	Finding:	5.58
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-MAY-13	Finding:	5.573
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-MAY-13	Finding:	4.747
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-MAY-13	Finding:	5.48
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-APR-13	Finding:	5.525
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	18-APR-13	Finding:	5.681
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	11-APR-13	Finding:	5.433
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-APR-13	Finding:	5.482
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-MAR-13	Finding:	5.154
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	07-FEB-13	Finding:	5.522
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-FEB-13	Finding:	5.634
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	23-JAN-13	Finding:	5.391
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JAN-13	Finding:	4.547
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JAN-13	Finding:	5.596
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-JAN-13	Finding:	1200.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	03-JAN-13	Finding:	5.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-DEC-12	Finding:	3.141
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-DEC-12	Finding:	5.319
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-DEC-12	Finding:	5.22
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	29-NOV-12	Finding:	3.427
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	15-NOV-12	Finding:	4.975
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-NOV-12	Finding:	5.084
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-NOV-12	Finding:	5.095
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-OCT-12	Finding:	5.397
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	18-OCT-12	Finding:	4.907
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-OCT-12	Finding:	770.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	04-OCT-12	Finding:	3.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	27-SEP-12	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-SEP-12	Finding:	5.351
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-AUG-12	Finding:	5.479
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-AUG-12	Finding:	5.356
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-AUG-12	Finding:	5.404
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-AUG-12	Finding:	1300.
Chemical:	NITRATE + NITRITE (AS N)	Report units:	MG/L
Dir:	0.4		
Sample date:	09-AUG-12	Finding:	5.9
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-AUG-12	Finding:	4.415
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-JUL-12	Finding:	5.276
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-JUL-12	Finding:	5.1
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	12-JUL-12	Finding:	4.65
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-JUL-12	Finding:	5.128
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-JUN-12	Finding:	0.12
Chemical:	TURBIDITY, LABORATORY	Report units:	NTU
Dir:	0.1		
Sample date:	14-JUN-12	Finding:	3.
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	14-JUN-12	Finding:	7.3
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	14-JUN-12	Finding:	3.
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	07-JUN-12	Finding:	5.209
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	31-MAY-12	Finding:	4.829
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-MAY-12	Finding:	5.4
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	16-MAY-12	Finding:	4.614
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-MAY-12	Finding:	4.398
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-MAY-12	Finding:	4.308
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	30-APR-12	Finding:	4.182
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	23-APR-12	Finding:	4.113
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-APR-12	Finding:	4.036
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	17-APR-12	Finding:	4.065
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	27-MAR-12	Finding:	3.915
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	20-MAR-12	Finding:	3.956
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	24-FEB-12	Finding:	3.358
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-FEB-12	Finding:	3.23
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JAN-12	Finding:	2.908
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir: 2.

**11
SE
1/2 - 1 Mile
Higher**

FED USGS USGS40000140712

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W15N001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19270101	Well Depth:	249
Well Depth Units:	ft	Well Hole Depth:	271
Well Hole Depth Units:	ft		

**A12
West
1/2 - 1 Mile
Lower**

FED USGS USGS40000140786

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W17H001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19260908	Well Depth:	182.5
Well Depth Units:	ft	Well Hole Depth:	220
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	166	Level reading date:	2004-10-25
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

Level reading date:	2004-04-20	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2003-10-23	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2003-04-22	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2002-10-30	Feet below surface:	Not Reported
Feet to sea level:	Not Reported		
Note:	The site was dry (no water level recorded).		

Level reading date:	2002-04-08	Feet below surface:	161.42
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	2001-10-23	Feet below surface:	159.13
Feet to sea level:	Not Reported	Note:	
Note:	A nearby site that taps the same aquifer had been pumped recently.		
Level reading date:	2001-04-16	Feet below surface:	142.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-10-24	Feet below surface:	145.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-12	Feet below surface:	130.68
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-18	Feet below surface:	130.62
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-14	Feet below surface:	117.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-10-19	Feet below surface:	123.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-14	Feet below surface:	124.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-10-27	Feet below surface:	141.16
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-04-14	Feet below surface:	129.56
Feet to sea level:	Not Reported	Note:	
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1996-10-07	Feet below surface:	138.29
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-04-22	Feet below surface:	125.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-10-24	Feet below surface:	135.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-04-18	Feet below surface:	126.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-10-25	Feet below surface:	154.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-04-20	Feet below surface:	142.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-19	Feet below surface:	153.14
Feet to sea level:	Not Reported	Note:	
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1993-04-12	Feet below surface:	144.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1992-10-29	Feet below surface:	175.07
Feet to sea level:	Not Reported	Note:	
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1992-06-12	Feet below surface:	164.81

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-11-27	Feet below surface:	167.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1991-06-17	Feet below surface:	156.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-12-03	Feet below surface:	154.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1990-06-25	Feet below surface:	144.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1989-11-28	Feet below surface:	140.71
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was being pumped.		
Level reading date:	1989-09-21	Feet below surface:	138.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-11-22	Feet below surface:	125.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1988-07-06	Feet below surface:	117.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-12-08	Feet below surface:	106.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1987-06-17	Feet below surface:	100.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-11-20	Feet below surface:	98.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-06-19	Feet below surface:	88.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1986-01-15	Feet below surface:	84.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-05-29	Feet below surface:	198.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-04-26	Feet below surface:	198.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-20	Feet below surface:	200.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-02-28	Feet below surface:	204.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-10-25	Feet below surface:	199.3
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was flowing.		
Level reading date:	1962-09-18	Feet below surface:	196.2
Feet to sea level:	Not Reported		
Note:	A nearby site that taps the same aquifer was flowing.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1962-07-25	Feet below surface:	184.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-06-28	Feet below surface:	184.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-05-28	Feet below surface:	183.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-04-16	Feet below surface:	180.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-26	Feet below surface:	180.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-01	Feet below surface:	186.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-01-16	Feet below surface:	186.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-12-21	Feet below surface:	178.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-09-28	Feet below surface:	193.3
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-08-10	Feet below surface:	192.9
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-07-13	Feet below surface:	192.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-06-15	Feet below surface:	188.3
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-05-25	Feet below surface:	188.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-04-16	Feet below surface:	184.6
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-03-13	Feet below surface:	187.8
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1961-02-20	Feet below surface:	173.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-01-25	Feet below surface:	184.5
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1960-12-27	Feet below surface:	182.7
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1960-11-25	Feet below surface:	183.0
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1960-10-05	Feet below surface:	188.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1960-07-05	Feet below surface:	168.5
Feet to sea level:	Not Reported	Note:	The site was being pumped.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1960-03-24	Feet below surface:	152.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-02-03	Feet below surface:	155.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-08-06	Feet below surface:	161.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1959-06-10	Feet below surface:	154.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-04-14	Feet below surface:	147.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-13	Feet below surface:	143.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-12-20	Feet below surface:	157.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-11-13	Feet below surface:	149.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-09-10	Feet below surface:	144.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-07-19	Feet below surface:	128.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-06-12	Feet below surface:	128.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-05-09	Feet below surface:	131.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-10	Feet below surface:	144.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-10	Feet below surface:	152.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-02-10	Feet below surface:	155.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-11	Feet below surface:	158.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-07	Feet below surface:	163.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-03-21	Feet below surface:	147.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-20	Feet below surface:	150.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-09-18	Feet below surface:	161.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-01-17	Feet below surface:	150.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1955-12-06	Feet below surface:	148.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-09-08	Feet below surface:	167.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-08-05	Feet below surface:	185.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-07-08	Feet below surface:	197.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1955-06-09	Feet below surface:	175.5
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1955-05-04	Feet below surface:	157.8
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1954-04-17	Feet below surface:	119.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-09	Feet below surface:	128.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-12-31	Feet below surface:	140.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-10-26	Feet below surface:	135.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-09	Feet below surface:	97.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-12	Feet below surface:	111.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-01-23	Feet below surface:	118.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-08-06	Feet below surface:	121.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-10	Feet below surface:	111.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-03-06	Feet below surface:	106.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-03-07	Feet below surface:	90.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-01-09	Feet below surface:	95.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-01	Feet below surface:	99.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-09-08	Feet below surface:	97.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-06-03	Feet below surface:	89.1
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1949-03-28	Feet below surface:	80.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-12-18	Feet below surface:	88.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-07-09	Feet below surface:	82.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-27	Feet below surface:	82.7
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.
Level reading date:	1948-04-20	Feet below surface:	78.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-03-15	Feet below surface:	75.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-01-24	Feet below surface:	76.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-10-24	Feet below surface:	78.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-08-30	Feet below surface:	87.2
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1947-07-17	Feet below surface:	85.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1947-04-12	Feet below surface:	65.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1947-01-24	Feet below surface:	59.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-10-10	Feet below surface:	83.1
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1946-07-05	Feet below surface:	67.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1946-04-16	Feet below surface:	57.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-03-29	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-09	Feet below surface:	57.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1945-01-04	Feet below surface:	58.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-03-31	Feet below surface:	52.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1944-01-04	Feet below surface:	60.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1943-04-03	Feet below surface:	51.0
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1943-01-06	Feet below surface:	65.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-09-30	Feet below surface:	69.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-07-04	Feet below surface:	63.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1942-04-06	Feet below surface:	54.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-12-29	Feet below surface:	55.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-09-29	Feet below surface:	62.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-07-30	Feet below surface:	58.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-28	Feet below surface:	49.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-04-04	Feet below surface:	51.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1941-01-04	Feet below surface:	65.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-09-30	Feet below surface:	85.4
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1940-07-03	Feet below surface:	66.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-03-22	Feet below surface:	57.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-02-27	Feet below surface:	59.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1940-01-02	Feet below surface:	66.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-11-29	Feet below surface:	68.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-10-31	Feet below surface:	68.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-09-28	Feet below surface:	69.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-07-31	Feet below surface:	67.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-03-30	Feet below surface:	59.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1939-02-25	Feet below surface:	60.2
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1939-01-03	Feet below surface:	64.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1938-07-16	Feet below surface:	76.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-07-19	Feet below surface:	97.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-04-16	Feet below surface:	90.3
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-02-26	Feet below surface:	94.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1935-01-12	Feet below surface:	99.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1934-10-24	Feet below surface:	104.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-12-16	Feet below surface:	87.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-11-15	Feet below surface:	99.0
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1932-09-12	Feet below surface:	87.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-07-12	Feet below surface:	87.4
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1932-05-11	Feet below surface:	76.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-03-11	Feet below surface:	80.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-02-15	Feet below surface:	86.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1932-01-14	Feet below surface:	88.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1931-12-10	Feet below surface:	92.7
Feet to sea level:	Not Reported	Note:	Not Reported

**A13
West
1/2 - 1 Mile
Lower**

FED USGS

USGS40000140787

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W17H008S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

14
South
1/2 - 1 Mile
Higher

FED USGS USGS40000140628

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21A001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	338
Well Depth Units:	ft	Well Hole Depth:	350
Well Hole Depth Units:	ft		

A15
West
1/2 - 1 Mile
Lower

CA WELLS CADW60000023205

Objectid:	23205	Latitude:	34.085
Longitude:	-117.2098	Site code:	340850N1172098W001
State well numbe:	01S03W17H001S	Local well name:	"
Well use id:	6	Well use descrip:	Unknown
County id:	36	County name:	San Bernardino
Basin code:	'8-2.06'	Basin desc:	Bunker Hill
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000023205		

B16
East
1/2 - 1 Mile
Higher

FED USGS USGS40000140809

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W15G001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19550101	Well Depth:	354
Well Depth Units:	ft	Well Hole Depth:	354
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

17
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000140657

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21C001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	167
Well Depth Units:	ft	Well Hole Depth:	167
Well Hole Depth Units:	ft		

B18
East
1/2 - 1 Mile
Higher

CA WELLS 816

Seq:	816	Prim sta c:	01S/03W-15G02 S
Frds no:	3600579001	County:	36
District:	66	User id:	36C
System no:	3600579	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	340510.0	Longitude:	1171050.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3600579	System nam:	REDLANDS TRAP AND SKEET RANGE
Hqname:	Not Reported	Address:	2125 N ORANGE ST
City:	REDLANDS	State:	CA
Zip:	92373	Zip ext:	Not Reported
Pop serv:	25	Connection:	1
Area serve:	Not Reported		

C19
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000140590

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-01 LYSIMETER AT 60		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Hole Depth Units: Not Reported

C20
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000140589

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-01 LYSIMETER AT 30		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C21
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000140592

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-01 LYSIMETER AT 187		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

C22
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000140591

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	HOLE-01 LYSIMETER AT 110		
Type:	Well: Test hole not completed as a well		
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C23
SSE
1/2 - 1 Mile
Higher

CA WELLS CADW60000000820

Objectid:	820	Latitude:	34.07343
Longitude:	-117.191867	Site code:	340734N1171919W001
State well numbe:	01S03W21H007S	Local well name:	'Well #31A'
Well use id:	4	Well use descrip:	Residential
County id:	36	County name:	San Bernardino
Basin code:	'8-2.06'	Basin desc:	Bunker Hill
Dwr region id:	80238	Dwr region:	Southern Region Office
Site id:	CADW60000000820		

C24
SSE
1/2 - 1 Mile
Higher

FED USGS USGS40000140583

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21H007S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	723
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

25
South
1/2 - 1 Mile
Higher

FED USGS USGS40000140568

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W21H001S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19290101	Well Depth:	426
Well Depth Units:	ft	Well Hole Depth:	426
Well Hole Depth Units:	ft		

26
NNW
1/2 - 1 Mile
Lower

CA WELLS 801

Seq:	801	Prim sta c:	01S/03W-04N03 S
Frds no:	3610064025	County:	36

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

District:	13	User id:	TAN
System no:	3610064	Water type:	G
Source nam:	WELL 040A - INACTIVE	Station ty:	WELL/AMBNT/MUN/INTAKE/SUPPLY
Latitude:	340600.0	Longitude:	1171200.0
Precision:	8	Status:	IR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		
System no:	3610064	System nam:	EAST VALLEY WD
Hqname:	Not Reported	Address:	PO BOX 3427
City:	SAN BERNARDINO	State:	CA
Zip:	92413	Zip ext:	Not Reported
Pop serv:	55000	Connection:	18303
Area serve:	SAN BERNARDINO VIC		
Sample date:	17-APR-13	Finding:	52.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	09-APR-13	Finding:	50.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	02-APR-13	Finding:	28.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	26-MAR-13	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	19-MAR-13	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAR-13	Finding:	31.
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	05-MAR-13	Finding:	4.2
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	05-MAR-13	Finding:	29.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	05-MAR-13	Finding:	49.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-MAR-13	Finding:	1.3
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-MAR-13	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-MAR-13	Finding:	2.1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Chemical: Dir:	URANIUM COUNTING ERROR 0.	Report units:	PCI/L
Sample date: Chemical: Dir:	26-FEB-13 NITRATE (AS NO3) 2.	Finding: Report units:	50. MG/L
Sample date: Chemical: Dir:	20-FEB-13 NITRATE (AS NO3) 2.	Finding: Report units:	48. MG/L
Sample date: Chemical: Dir:	12-FEB-13 GROSS ALPHA MDA95 0.	Finding: Report units:	1.5 PCI/L
Sample date: Chemical: Dir:	12-FEB-13 URANIUM COUNTING ERROR 0.	Finding: Report units:	2.2 PCI/L
Sample date: Chemical: Dir:	12-FEB-13 NITRATE (AS NO3) 2.	Finding: Report units:	48. MG/L
Sample date: Chemical: Dir:	12-FEB-13 URANIUM (PCI/L) 1.	Finding: Report units:	31. PCI/L
Sample date: Chemical: Dir:	12-FEB-13 GROSS ALPHA COUNTING ERROR 0.	Finding: Report units:	3.9 PCI/L
Sample date: Chemical: Dir:	12-FEB-13 URANIUM MDA95 0.	Finding: Report units:	0.88 PCI/L
Sample date: Chemical: Dir:	05-FEB-13 NITRATE (AS NO3) 2.	Finding: Report units:	47. MG/L
Sample date: Chemical: Dir:	29-JAN-13 NITRATE (AS NO3) 2.	Finding: Report units:	48. MG/L
Sample date: Chemical: Dir:	23-JAN-13 NITRATE (AS NO3) 2.	Finding: Report units:	48. MG/L
Sample date: Chemical: Dir:	15-JAN-13 NITRATE (AS NO3) 2.	Finding: Report units:	48. MG/L
Sample date: Chemical: Dir:	08-JAN-13 NITRATE (AS NO3) 2.	Finding: Report units:	49. MG/L
Sample date: Chemical: Dir:	04-JAN-13 URANIUM (PCI/L) 1.	Finding: Report units:	28. PCI/L
Sample date: Chemical: Dir:	04-JAN-13 URANIUM MDA95 0.	Finding: Report units:	0.88 PCI/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	04-JAN-13	Finding:	1.2
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	04-JAN-13	Finding:	2.1
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	04-JAN-13	Finding:	54.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	04-JAN-13	Finding:	4.3
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	04-JAN-13	Finding:	32.
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	11-DEC-12	Finding:	53.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-DEC-12	Finding:	25.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	05-DEC-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-DEC-12	Finding:	52.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-DEC-12	Finding:	1.6
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-DEC-12	Finding:	3.8
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	05-DEC-12	Finding:	2.
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	14-AUG-12	Finding:	47.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-AUG-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	01-AUG-12	Finding:	4.
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	01-AUG-12	Finding:	49.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.		
Sample date:	01-AUG-12	Finding:	2.2
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	01-AUG-12	Finding:	1.3
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	01-AUG-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	01-AUG-12	Finding:	27.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	26-JUL-12	Finding:	46.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-12	Finding:	1.7
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	10-JUL-12	Finding:	2.1
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	10-JUL-12	Finding:	52.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JUL-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	10-JUL-12	Finding:	24.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	10-JUL-12	Finding:	4.2
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	05-JUL-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	26-JUN-12	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	21-JUN-12	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-JUN-12	Finding:	190.
Chemical:	HARDNESS (TOTAL) AS CaCO3	Report units:	MG/L
Dir:	0.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	13-JUN-12	Finding:	59.
Chemical:	CALCIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-JUN-12	Finding:	11.
Chemical:	MAGNESIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-JUN-12	Finding:	26.
Chemical:	SODIUM	Report units:	MG/L
Dir:	0.		
Sample date:	13-JUN-12	Finding:	17.
Chemical:	CHLORIDE	Report units:	MG/L
Dir:	0.		
Sample date:	13-JUN-12	Finding:	28.
Chemical:	SULFATE	Report units:	MG/L
Dir:	0.5		
Sample date:	13-JUN-12	Finding:	320.
Chemical:	TOTAL DISSOLVED SOLIDS	Report units:	MG/L
Dir:	0.		
Sample date:	13-JUN-12	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JUN-12	Finding:	0.87
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	06-JUN-12	Finding:	1.2
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	06-JUN-12	Finding:	2.1
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	06-JUN-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-JUN-12	Finding:	23.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	06-JUN-12	Finding:	3.1
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	31-MAY-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	25-MAY-12	Finding:	3.6
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	25-MAY-12	Finding:	32.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	1.	Finding:	49.
Sample date:	25-MAY-12	Report units:	MG/L
Chemical:	NITRATE (AS NO3)		
Dir:	2.		
Sample date:	25-MAY-12	Finding:	2.5
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	25-MAY-12	Finding:	1.4
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	25-MAY-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	17-APR-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-APR-12	Finding:	50.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-APR-12	Finding:	2.1
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	03-APR-12	Finding:	49.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	03-APR-12	Finding:	1.2
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-APR-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	03-APR-12	Finding:	26.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	03-APR-12	Finding:	4.
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	27-MAR-12	Finding:	50.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	21-MAR-12	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	13-MAR-12	Finding:	48.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample date:	06-MAR-12	Finding:	1.4
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	2.2
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	49.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	06-MAR-12	Finding:	27.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	06-MAR-12	Finding:	3.3
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	06-MAR-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	29-FEB-12	Finding:	50.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	22-FEB-12	Finding:	53.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	14-FEB-12	Finding:	50.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	08-FEB-12	Finding:	23.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	08-FEB-12	Finding:	4.3
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	08-FEB-12	Finding:	30.
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	08-FEB-12	Finding:	1.9
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	08-FEB-12	Finding:	1.7
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	08-FEB-12	Finding:	0.87
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	08-FEB-12	Finding:	51.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Dir:	2.	Finding:	53.
Sample date:	31-JAN-12	Report units:	MG/L
Chemical:	NITRATE (AS NO3)		
Dir:	2.		
Sample date:	24-JAN-12	Finding:	52.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	18-JAN-12	Finding:	52.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	10-JAN-12	Finding:	49.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		
Sample date:	05-JAN-12	Finding:	1.9
Chemical:	URANIUM COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	05-JAN-12	Finding:	23.
Chemical:	URANIUM (PCI/L)	Report units:	PCI/L
Dir:	1.		
Sample date:	05-JAN-12	Finding:	4.
Chemical:	GROSS ALPHA COUNTING ERROR	Report units:	PCI/L
Dir:	0.		
Sample date:	05-JAN-12	Finding:	30.
Chemical:	GROSS ALPHA	Report units:	PCI/L
Dir:	3.		
Sample date:	05-JAN-12	Finding:	1.2
Chemical:	GROSS ALPHA MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-JAN-12	Finding:	0.88
Chemical:	URANIUM MDA95	Report units:	PCI/L
Dir:	0.		
Sample date:	05-JAN-12	Finding:	53.
Chemical:	NITRATE (AS NO3)	Report units:	MG/L
Dir:	2.		

D27
West
1/2 - 1 Mile
Lower

FED USGS USGS40000140793

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W17H003S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19340101	Well Depth:	286
Well Depth Units:	ft	Well Hole Depth:	300

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Hole Depth Units: ft

D28
West
1/2 - 1 Mile
Lower

FED USGS USGS40000140794

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	001S003W17H005S	Type:	Well
Description:	Not Reported	HUC:	18070203
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19630101	Well Depth:	590
Well Depth Units:	ft	Well Hole Depth:	600
Well Hole Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92374	85	0

Federal EPA Radon Zone for SAN BERNARDINO County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92374

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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46-Acres Redlands

Domestic Avenue

Redlands, CA 92374

Inquiry Number: 5585859.3

March 11, 2019

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

03/11/19

Site Name:

46-Acres Redlands
Domestic Avenue
Redlands, CA 92374
EDR Inquiry # 5585859.3

Client Name:

Petra Geotechnical Inc
3186 Airway Avenue, Suite K
Costa Mesa, CA 92626
Contact: Jon Cain



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Petra Geotechnical Inc were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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

Certified Sanborn Results:

Certification # EBB1-44B3-85A4
PO # 18-345
Project 46-Acres Redlands

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: EBB1-44B3-85A4

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

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

The Sanborn Library LLC Since 1866™

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46-Acres Redlands

Domestic Avenue

Redlands, CA 92374

Inquiry Number: 5585859.4

March 11, 2019

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

03/11/19

Site Name:

46-Acres Redlands
Domestic Avenue
Redlands, CA 92374
EDR Inquiry # 5585859.4

Client Name:

Petra Geotechnical Inc
3186 Airway Avenue, Suite K
Costa Mesa, CA 92626
Contact: Jon Cain



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

Search Results:

Coordinates:

P.O.#	18-345	Latitude:	34.086462 34° 5' 11" North
Project:	46-Acres Redlands	Longitude:	-117.196086 -117° 11' 46" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	481910.24
		UTM Y Meters:	3771760.13
		Elevation:	1279.21' above sea level

Maps Provided:

2012	1899
1996	
1988	
1980	
1973	
1967	
1954	
1901	

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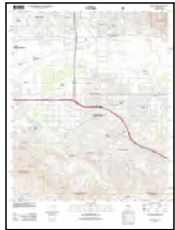
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Topo Sheet Key

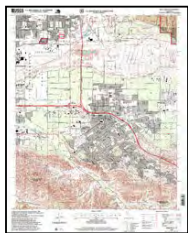
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Redlands
2012
7.5-minute, 24000

1996 Source Sheets



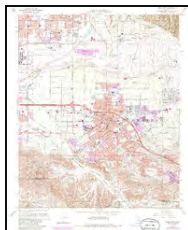
Redlands
1996
7.5-minute, 24000
Aerial Photo Revised 1994

1988 Source Sheets



Redlands
1988
7.5-minute, 24000
Aerial Photo Revised 1985

1980 Source Sheets

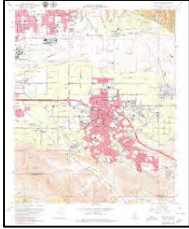


Redlands
1980
7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

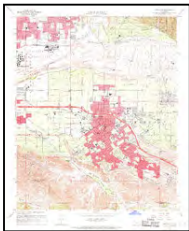
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1973 Source Sheets



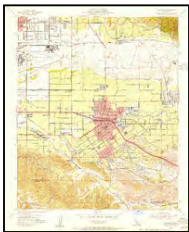
Redlands
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Redlands
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1954 Source Sheets



Redlands
1954
7.5-minute, 24000
Aerial Photo Revised 1952

1901 Source Sheets



Redlands
1901
15-minute, 62500

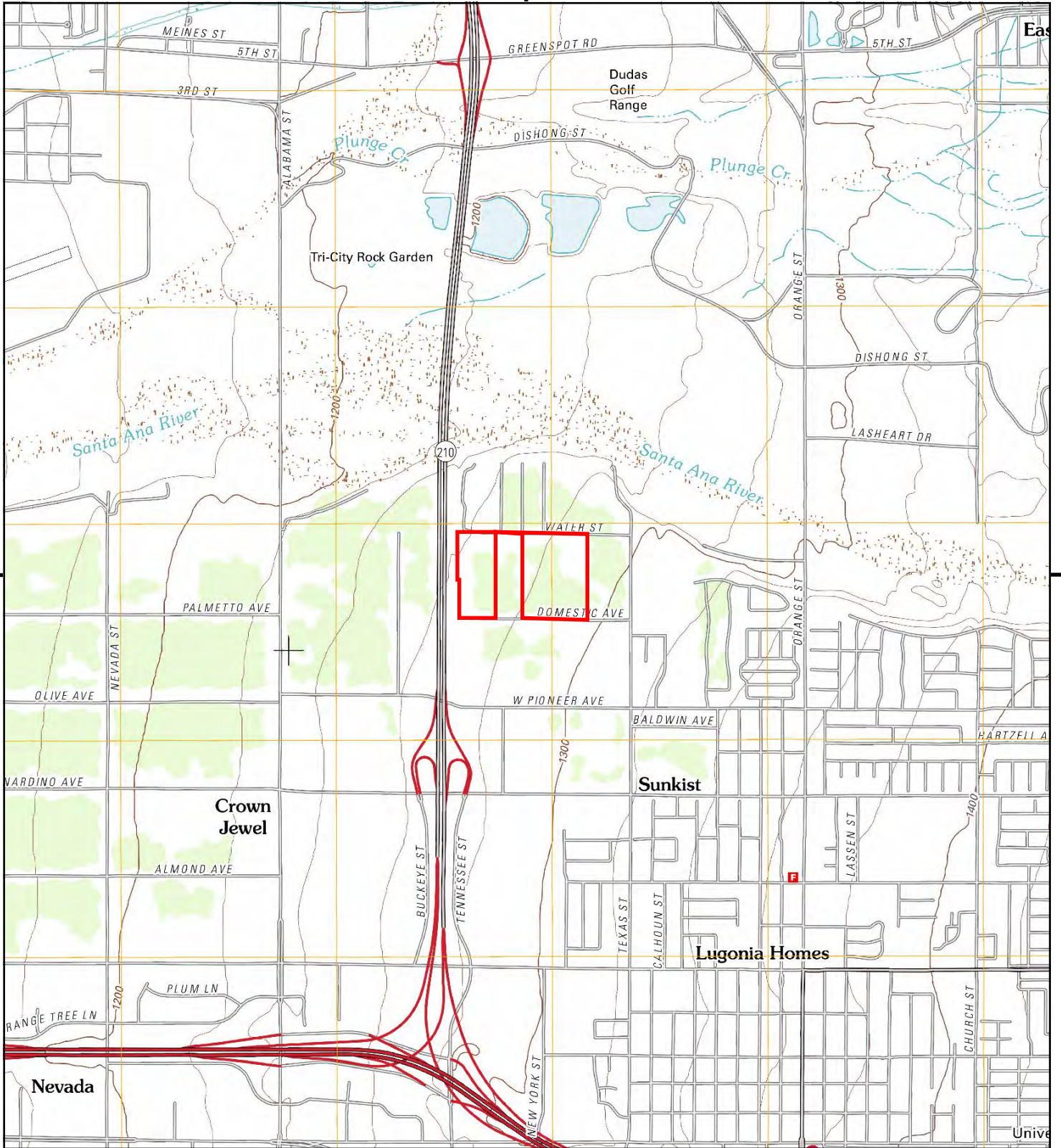
Topo Sheet Key

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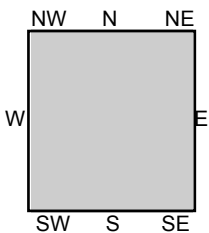
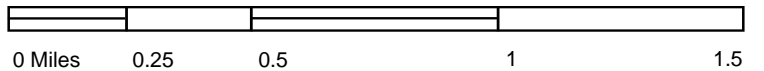
1899 Source Sheets



Redlands
1899
15-minute, 62500



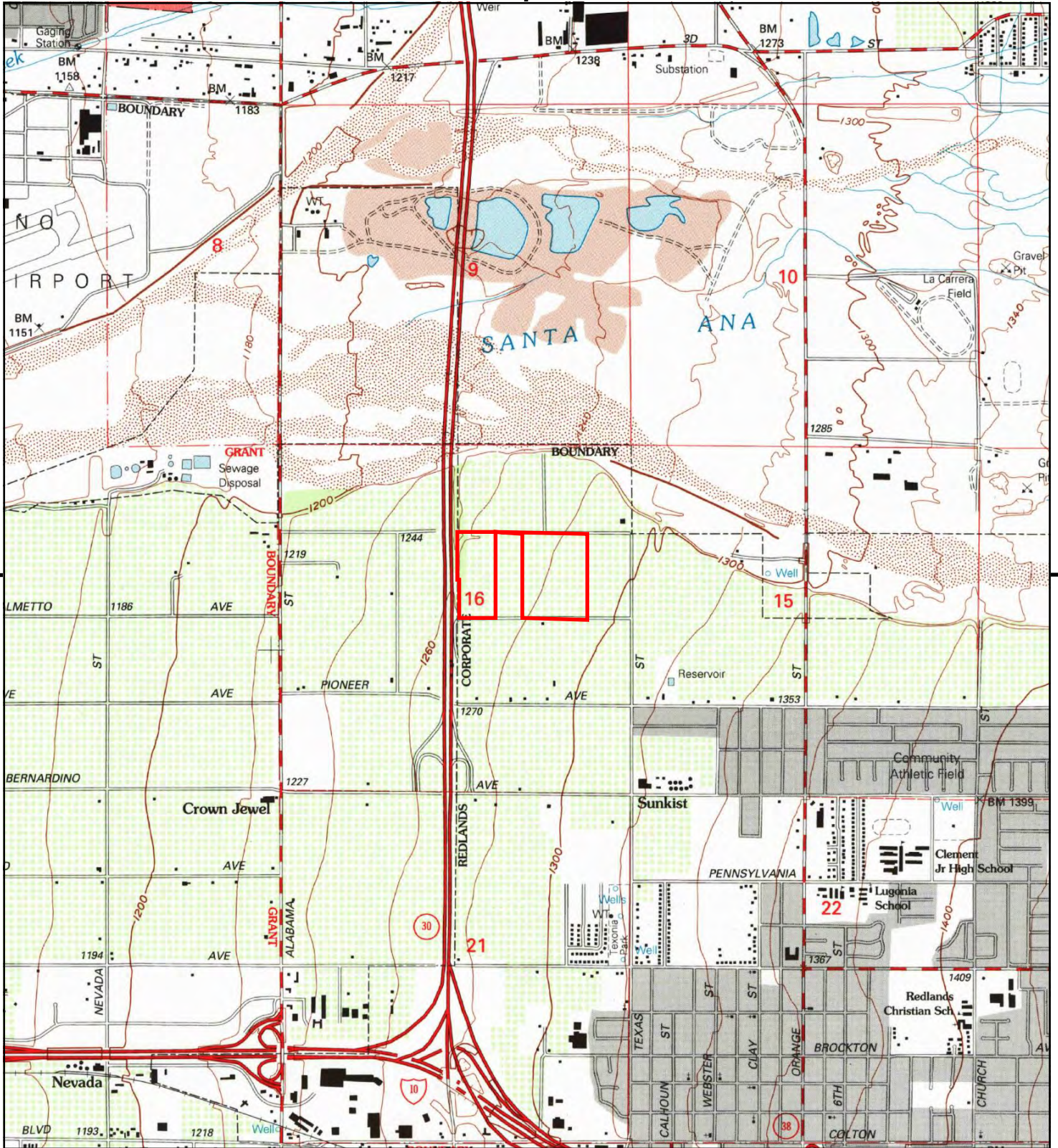
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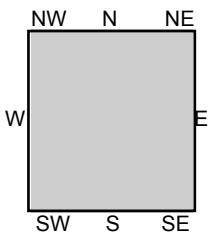
TP, Redlands, 2012, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





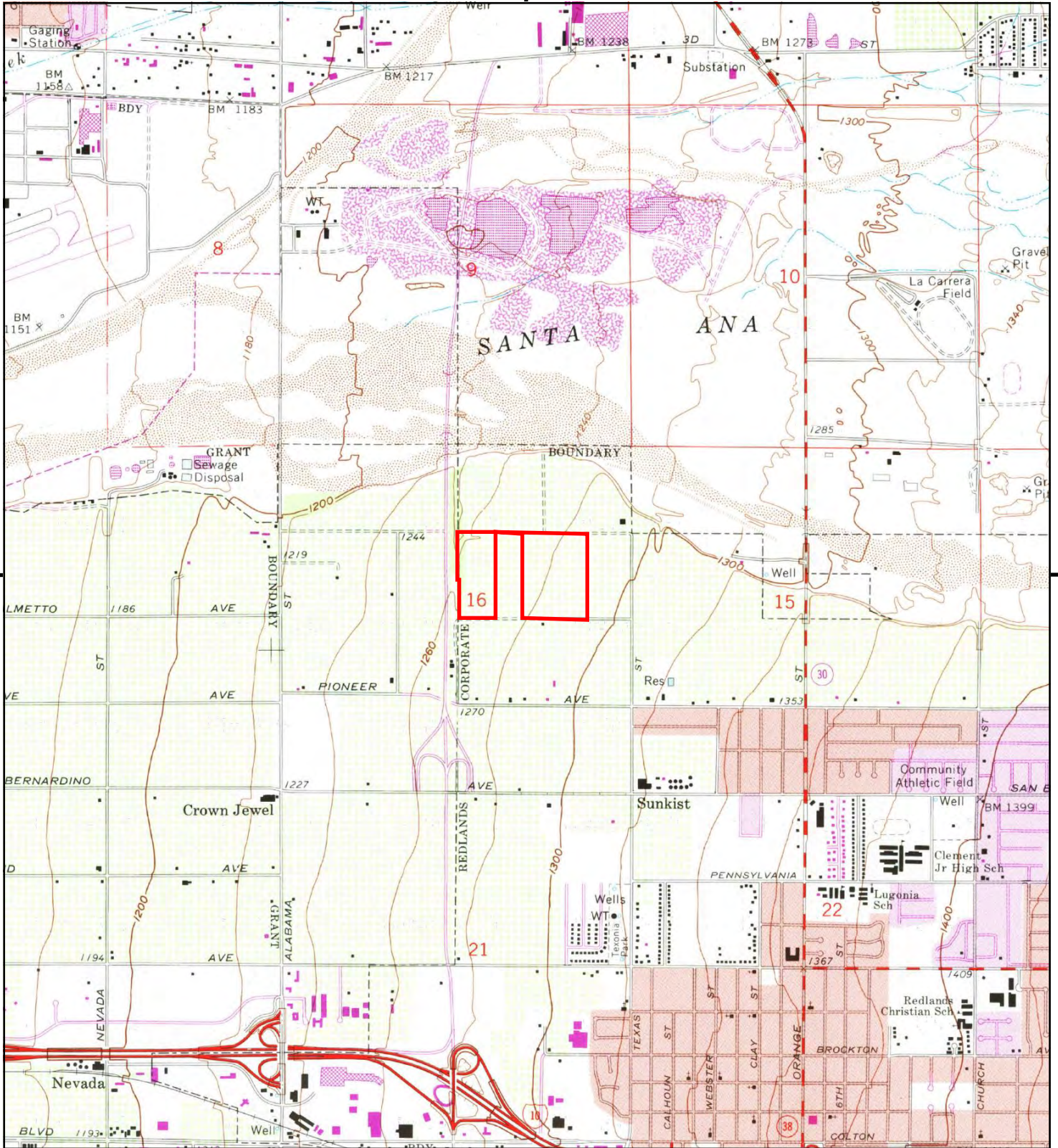
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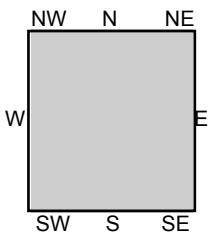
TP, Redlands, 1996, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





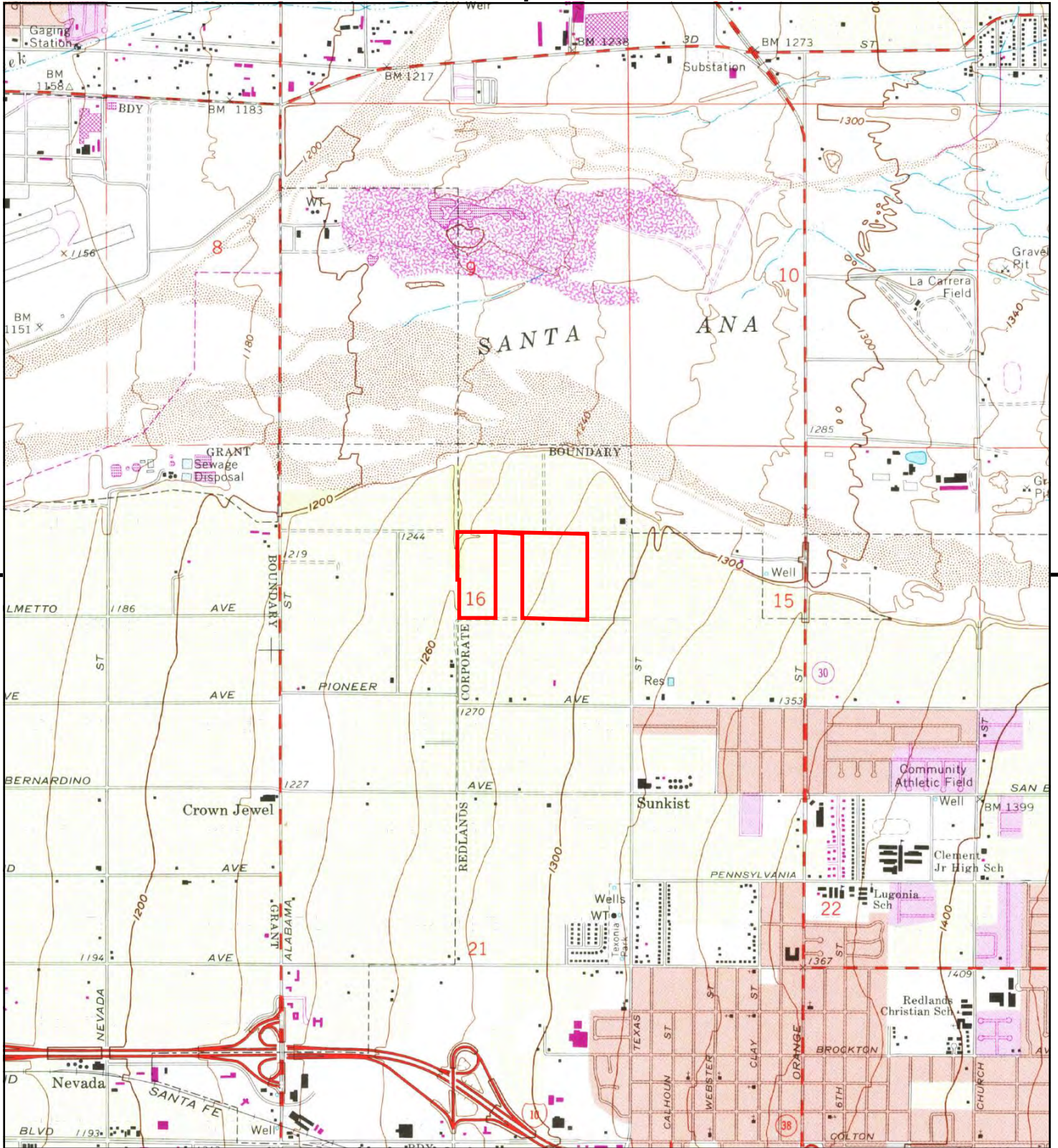
This report includes information from the following map sheet(s).



TP, Redlands, 1988, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





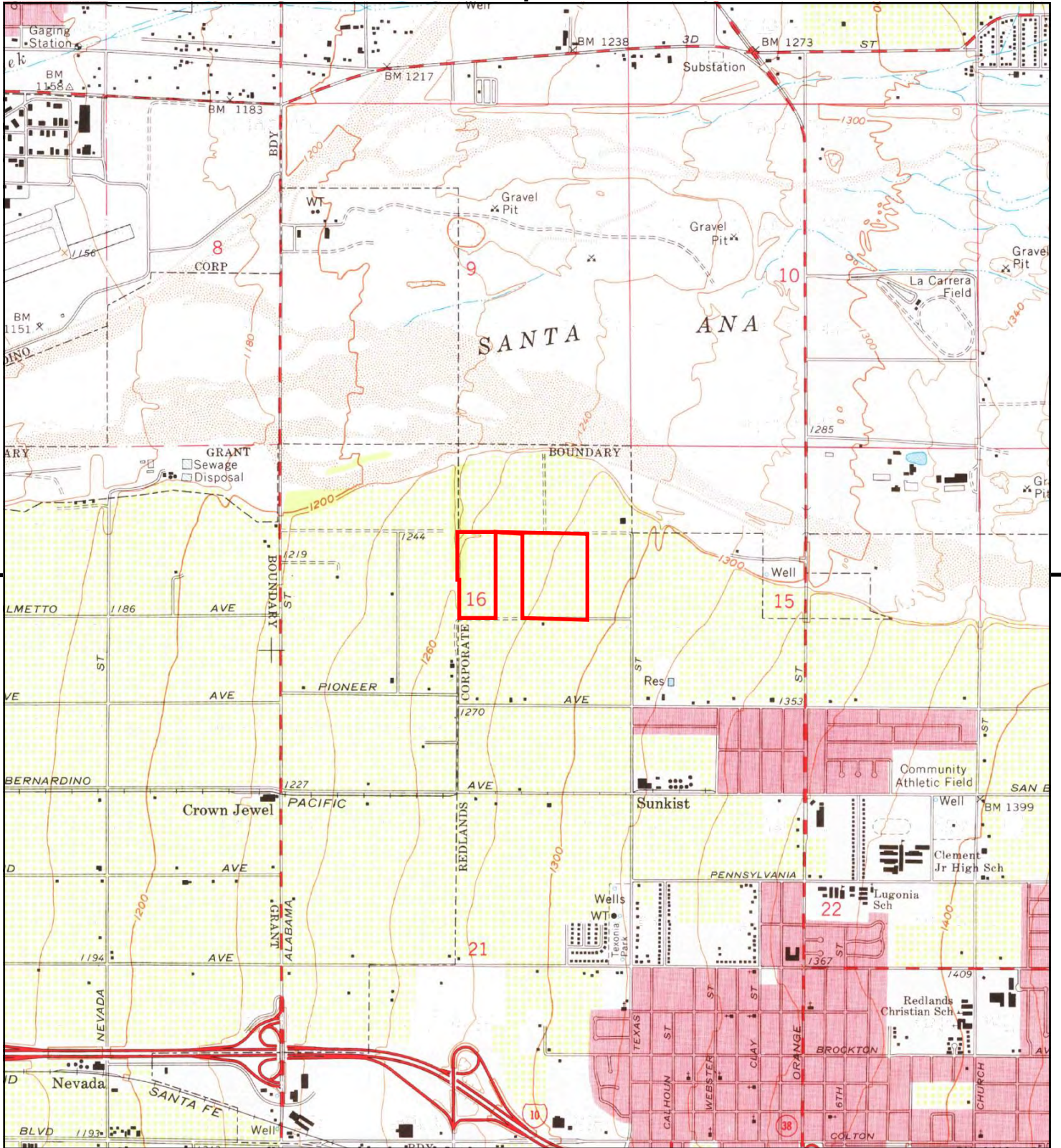
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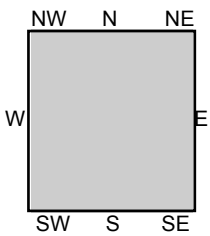
TP, Redlands, 1980, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





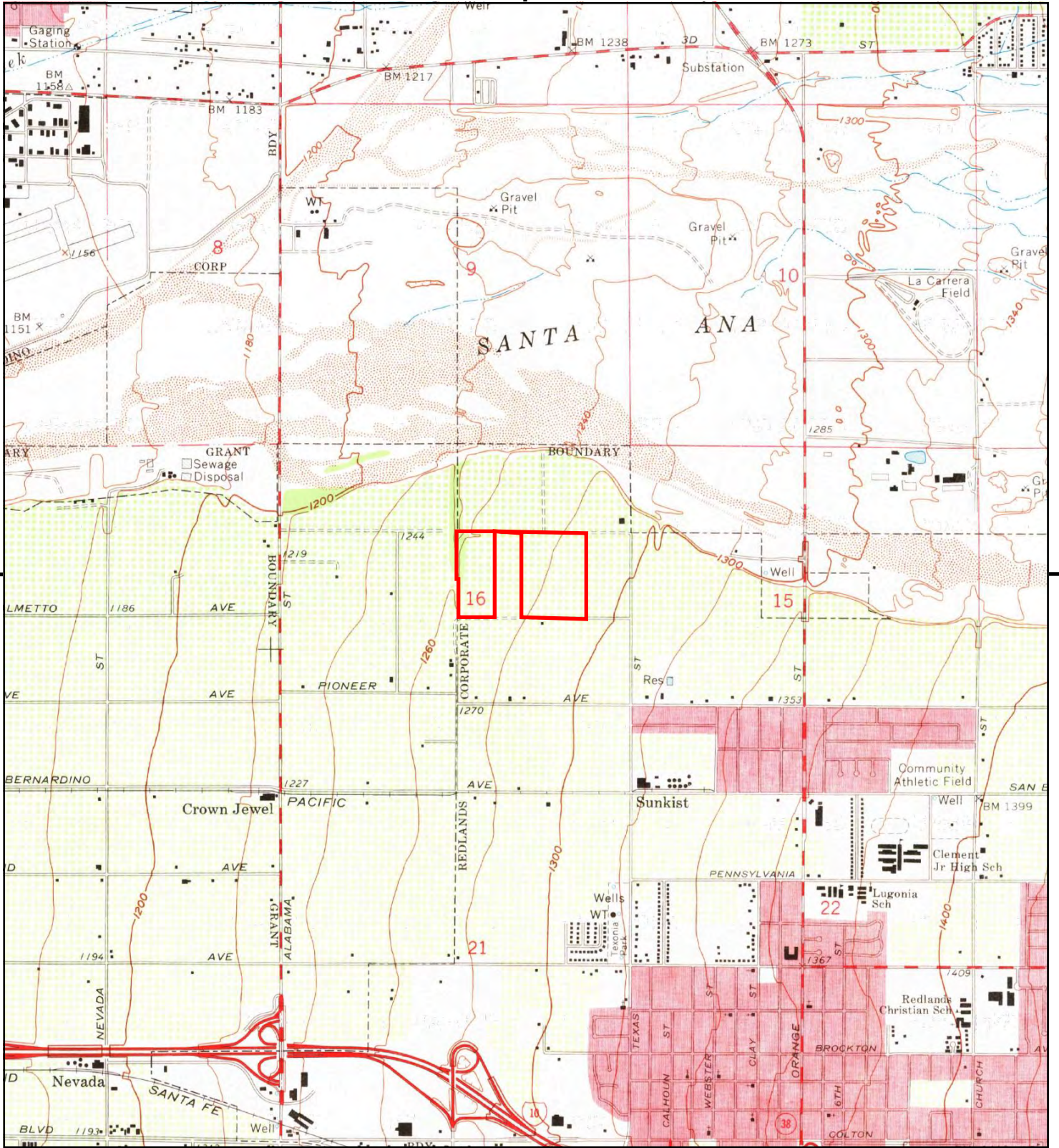
This report includes information from the following map sheet(s).



TP, Redlands, 1973, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





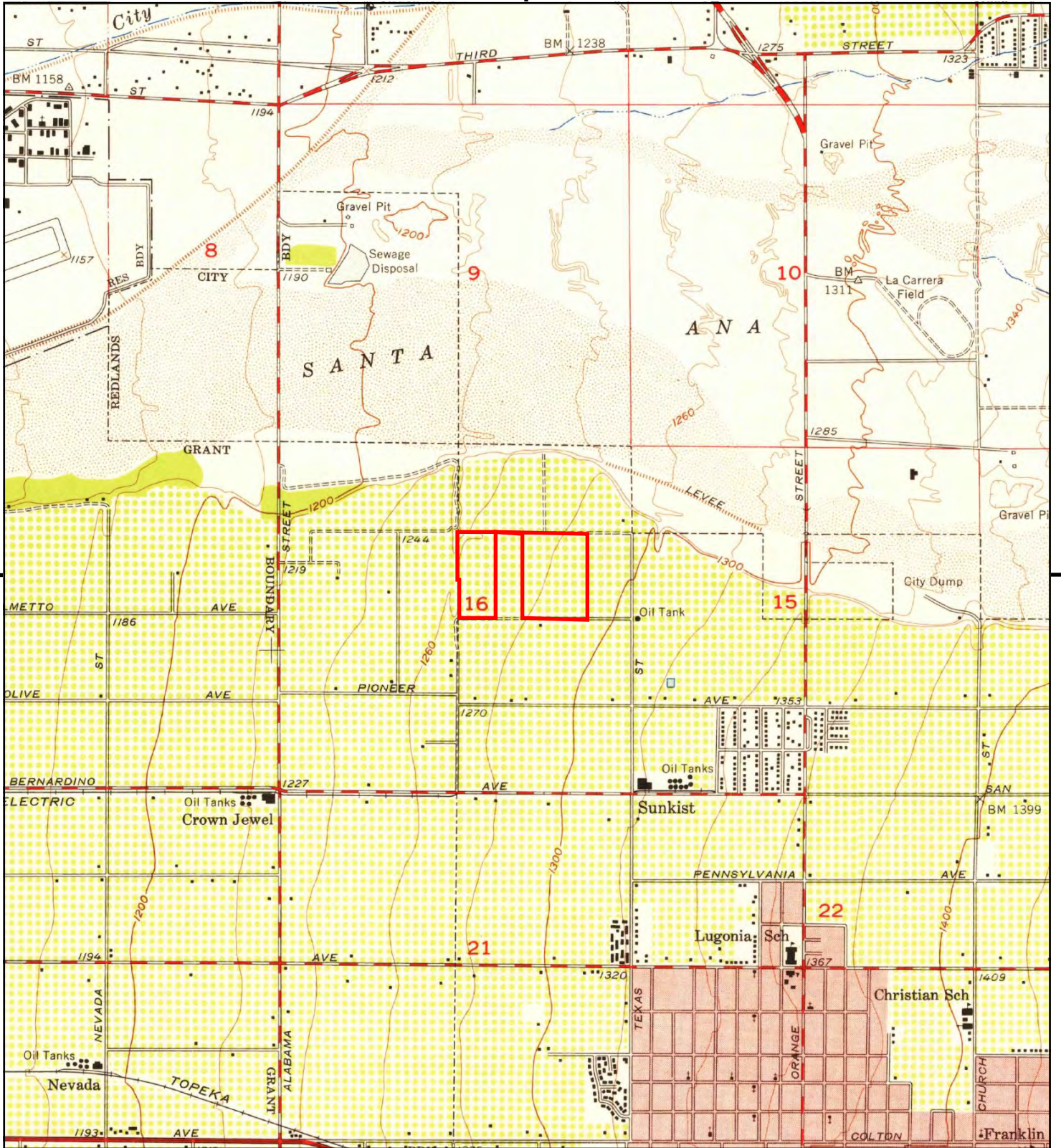
This report includes information from the following map sheet(s).



TP, Redlands, 1967, 7.5-minute

SITE NAME: 46-Acres Redlands
ADDRESS: Domestic Avenue
 Redlands, CA 92374
CLIENT: Petra Geotechnical Inc





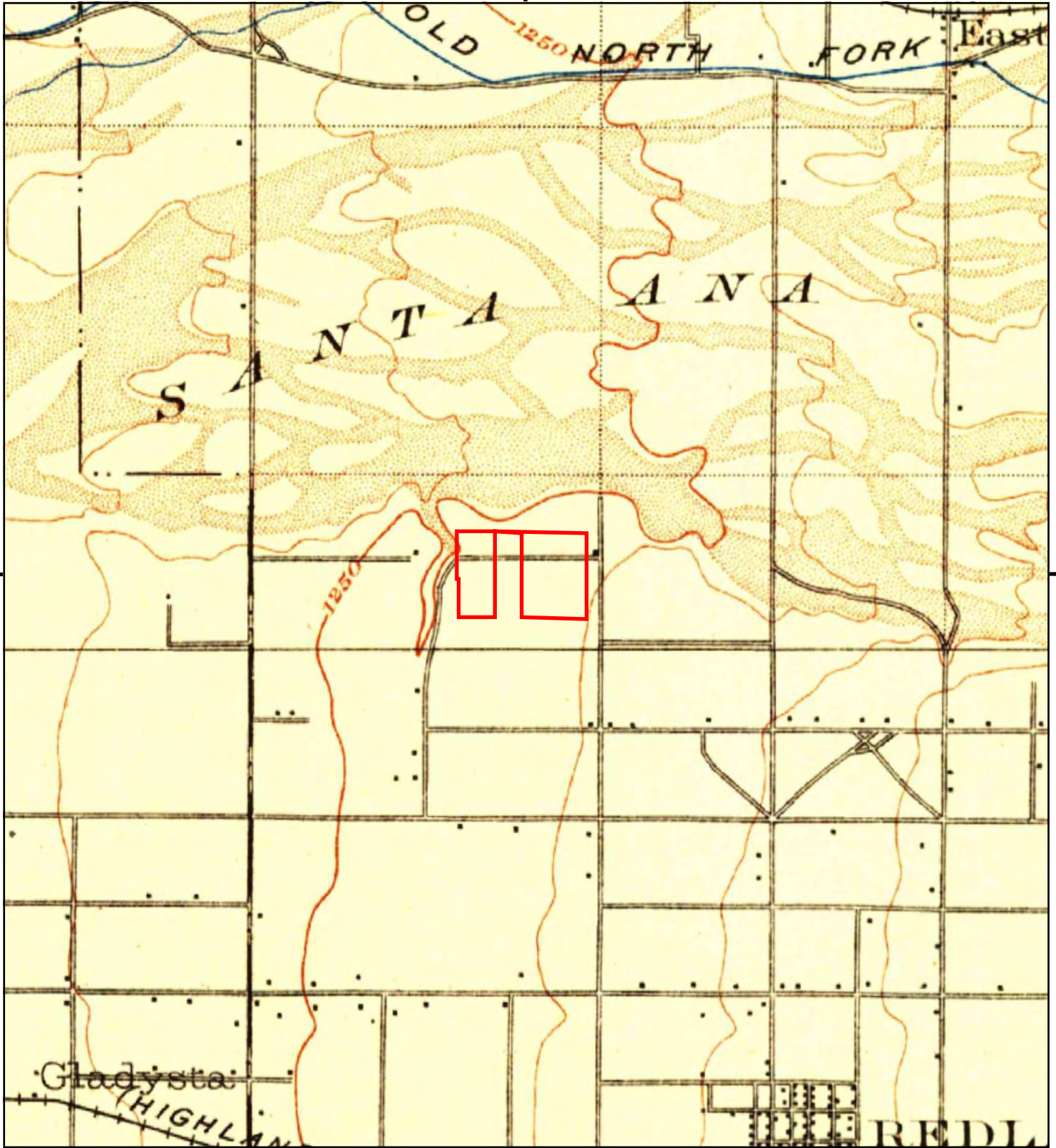
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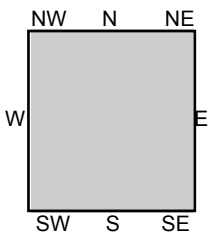
TP, Redlands, 1954, 7.5-minute

SITE NAME: 46-Acres Redlands
 ADDRESS: Domestic Avenue
 Redlands, CA 92374
 CLIENT: Petra Geotechnical Inc





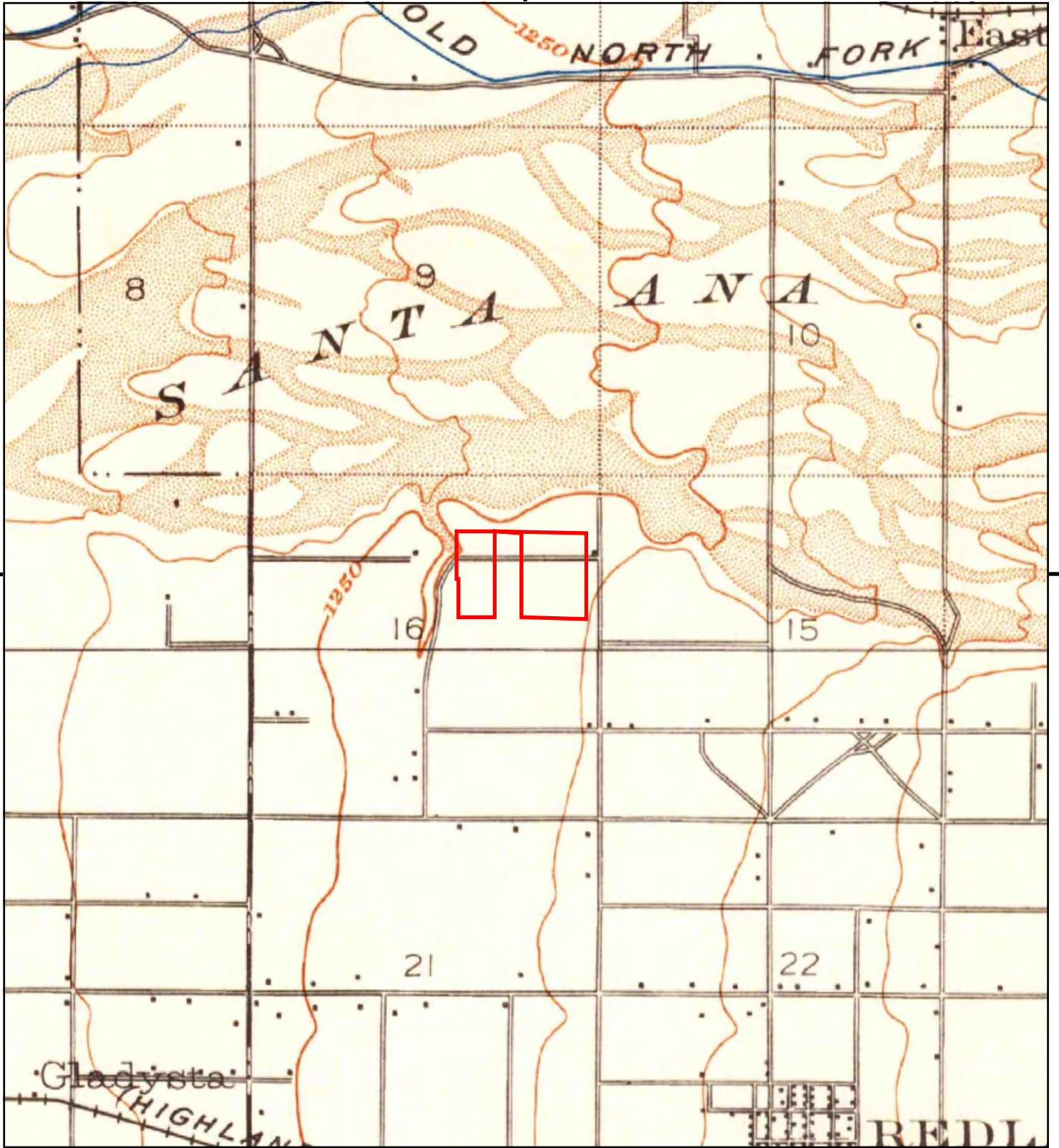
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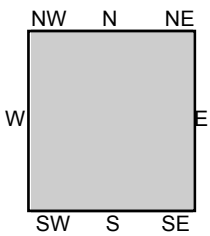
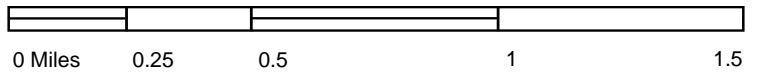
TP, Redlands, 1901, 15-minute

SITE NAME: 46-Acres Redlands
 ADDRESS: Domestic Avenue
 Redlands, CA 92374
 CLIENT: Petra Geotechnical Inc





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



TP, Redlands, 1899, 15-minute

SITE NAME: 46-Acres Redlands
 ADDRESS: Domestic Avenue
 Redlands, CA 92374
 CLIENT: Petra Geotechnical Inc



46-Acres Redlands

Domestic Avenue
Redlands, CA 92374

Inquiry Number: 5585859.6
March 11, 2019

The EDR Property Tax Map Report

EDR Property Tax Map Report

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

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

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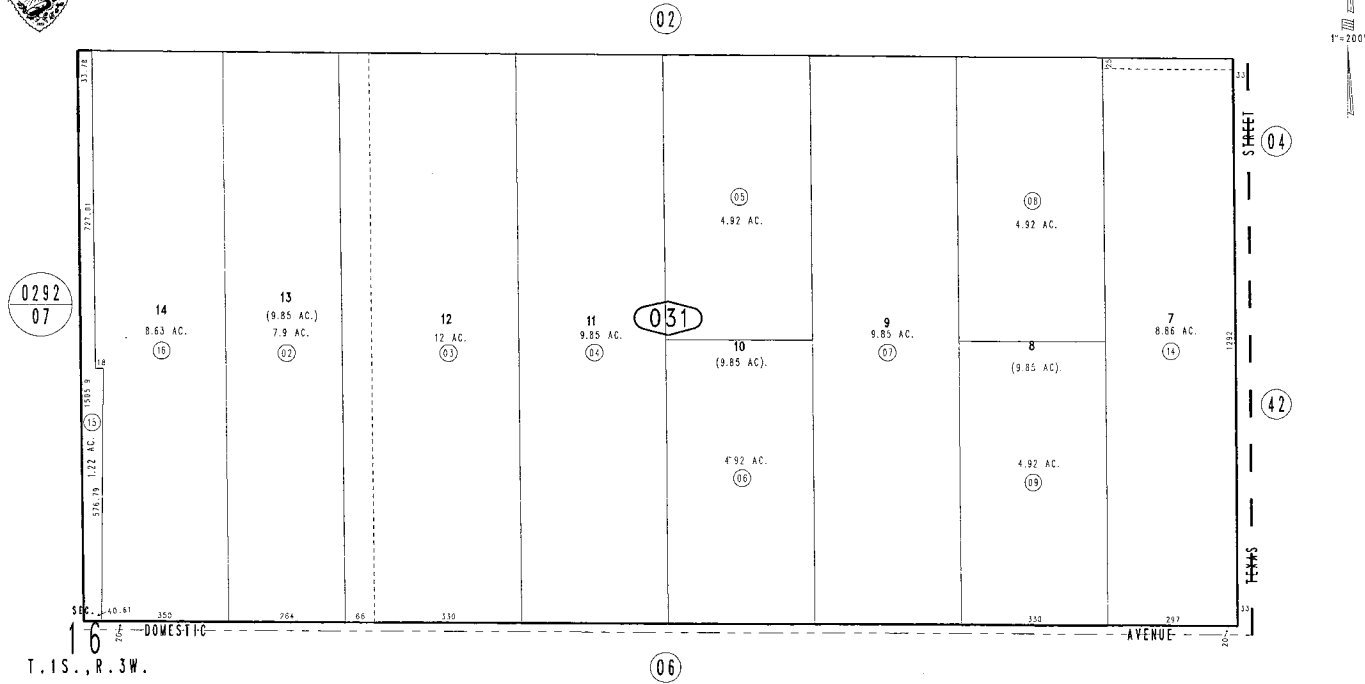
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THIS MAP IS FOR THE PURPOSE
OF AD VALOREM TAXATION ONLY.

Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

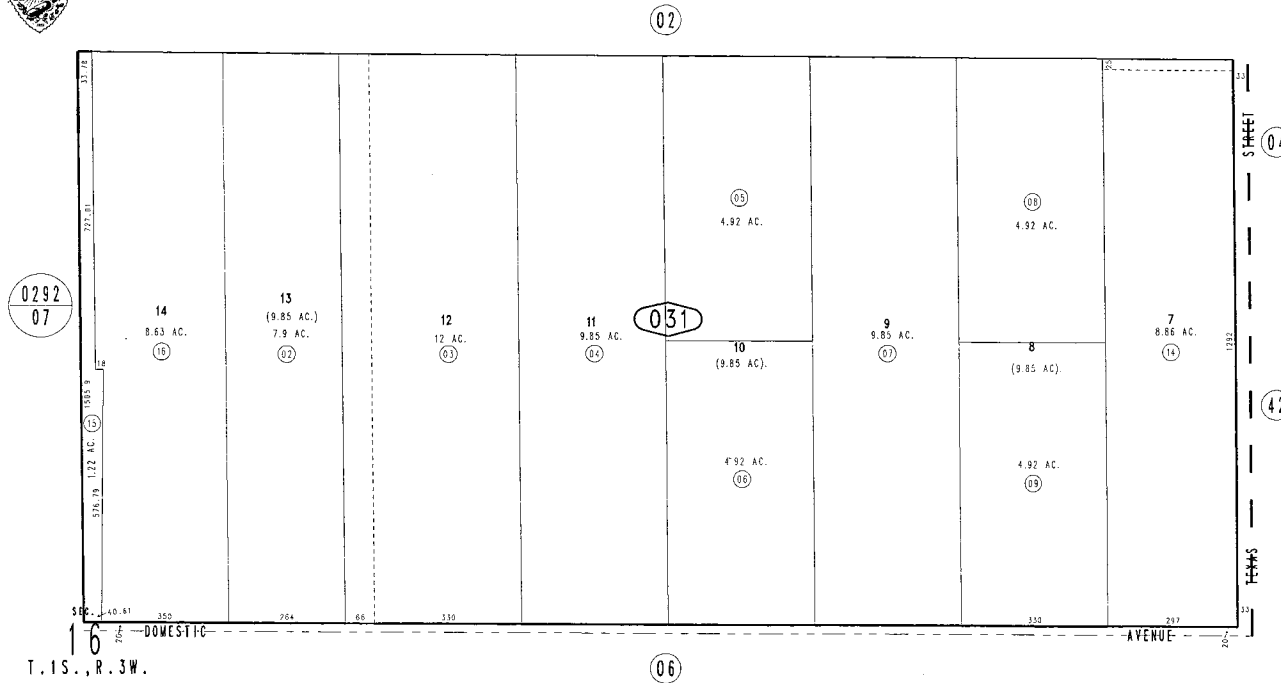
REVISED
05/22/17 CW

THIS MAP IS FOR THE PURPOSE
OF AD VALOREM TAXATION ONLY.

Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

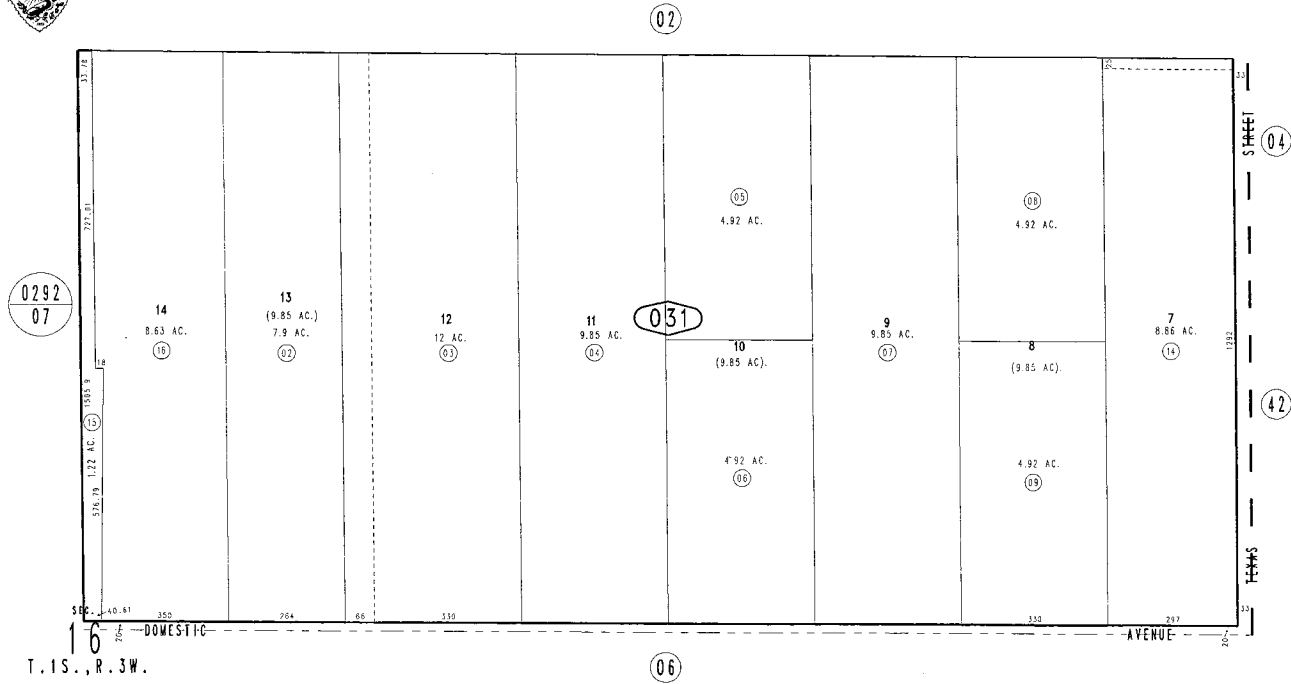
REVISED
05/22/17 CW

THIS MAP IS FOR THE PURPOSE
OF AD VALOREM TAXATION ONLY.

Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

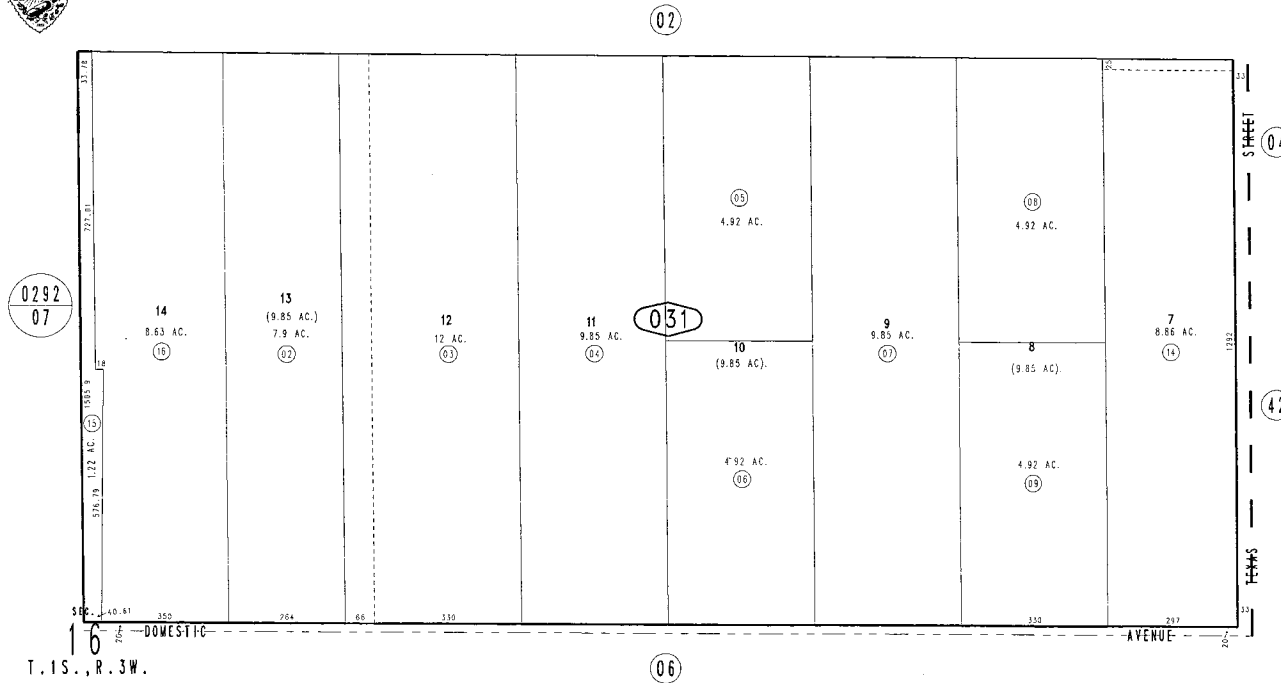
REVISED
05/22/17 CW

THIS MAP IS FOR THE PURPOSE
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Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

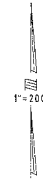
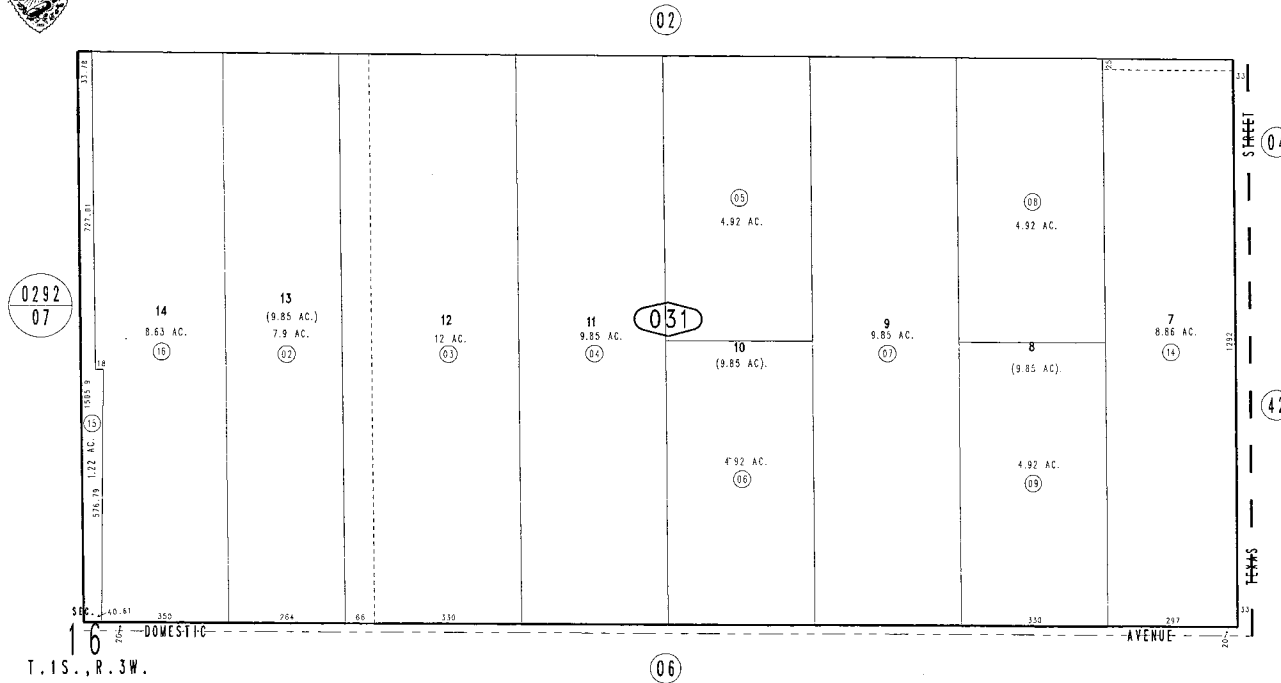
REVISED
05/22/17 CW

THIS MAP IS FOR THE PURPOSE
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Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

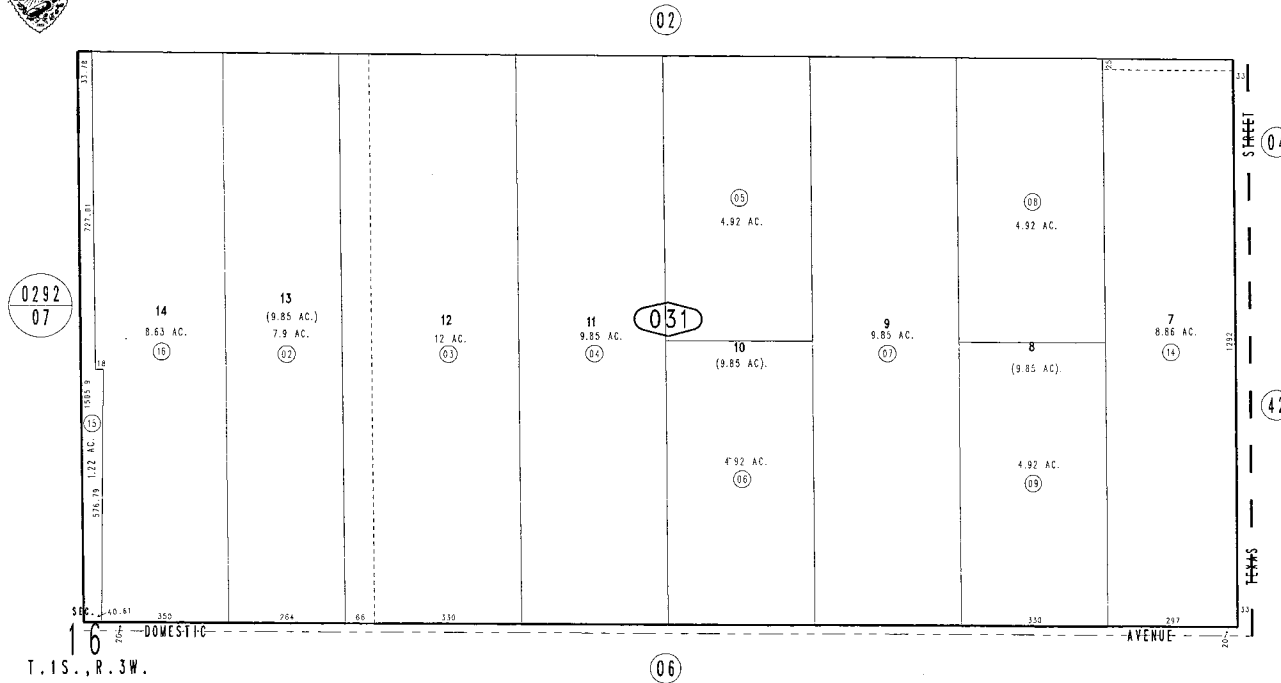
REVISED
05/22/17 CW

THIS MAP IS FOR THE PURPOSE
OF AD VALOREM TAXATION ONLY.

Ptn. Davenport's Subdivision, M.B. 13/42

City of Redlands
Tax Rate Area
5014

0167 - 03



February 2005

Assessor's Map
Book 0167 Page 03
San Bernardino County

REVISED
05/22/17 CW

46-Acres Redlands

Domestic Avenue
Redlands, CA 92374

Inquiry Number: 5585859.7
March 27, 2019

EDR Environmental Lien and AUL Search

EDR Environmental Lien and AUL Search

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

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

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

Thank you for your business.

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Domestic Avenue
46-Acres Redlands
Redlands, CA 92374

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found Not Found

RESEARCH SOURCE

Source 1:

San Bernardino Recorder
San Bernardino, CA

PROPERTY INFORMATION

Deed 1-1:

Type of Deed: deed
Title is vested in: Rossmore Enterprises
Title received from: Philip S Sirianni Trustee
Deed Dated: 11/2/1992
Deed Recorded: 12/29/1992
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Deed 1-2:

Type of Deed: deed
Title is vested in: Fraser Properties LLC
Title received from: Roderick Anthony Fraser II Trustee
Deed Dated: 1/8/2002
Deed Recorded: 11/1/2002
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: See Exhibit

Legal Current Owner: Rossmore Enterprises Fraser Partner Properties LLC

Parcel # / Property Identifier: 0167-031-02, 0167-031-04, 0167-031-16

Comments: See Exhibit

Deed 2:

Type of Deed: deed
Title is vested in: Carla Collins Clar
Title received from: Philip John Kubicki
Deed Dated: 9/14/2015
Deed Recorded: 8/5/2016
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: See Exhibit
Legal Current Owner: Carla Collins Clar
Parcel # / Property Identifier: 0167-031-06
Comments: See Exhibit

Deed 3-3:

Type of Deed: deed
Title is vested in: David & Nikki Young Lebow Trustees
Title received from: Trust Co of Oklahoma Trustees
Deed Dated: 2/12/2019
Deed Recorded: 1/16/2019
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Deed 3-4:

Type of Deed: deed
Title is vested in: Max Lebow Trustee
Title received from: Max Lebow
Deed Dated: 3/8/2008
Deed Recorded: 3/26/2008
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Deed 3-5:

Type of Deed: deed
Title is vested in: Myra Lebow
Title received from: Myra Lebow Trustee Elihu Lebow
Deed Dated: 1/28/1983
Deed Recorded: 2/15/1983
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Deed

3-6:

Type of Deed: deed
Title is vested in: Elihu Lebow
Title received from: Myra Lebow Trustee Elihu Lebow
Deed Dated: 1/28/1983
Deed Recorded: 2/15/1983
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Deed 3-7:

Type of Deed: deed
Title is vested in: Marilyn Stack
Title received from: Howard Lebow
Deed Dated: 10/16/2006
Deed Recorded: 3/5/2007
Book: NA
Page: na
Volume: na
Instrument: na
Docket: NA
Land Record Comments:
Miscellaneous Comments:

Legal Description: See Exhibit

Legal Current Owner: David & Nikki Young Lebow Trustees Max Lebow Trustee Myra Lebow Trustee etal

Parcel # / Property Identifier: 0167-031-05-0000, 0167-031-07-0000

Comments: See Exhibit

Deed Exhibit 1

RECORDING REQUESTED BY

Continental Lawyers Title Company

AND WHEN RECORDED MAIL TO

92-534058

RECORDED IN OFFICIAL RECORDS

92 DEC 29 PM 3:03

SAN BERNARDINO COUNTY, CALIF.

Name: HOWARD M. LARSEN, INC.
Street Address: 4 Upper Newport Plaza, Suite 103
City & State: Newport Beach, CA 92660

1. FEE 7	6. 05
2. MSYS 4	7. 5-2005
3. PCOR	8. NO FEE
4. LNWT	9. STRE 3
5. SVY 10	660.00
6. 29	M
DTT	

SPACE ABOVE THIS LINE FOR RECORDER'S USE

MAIL TAX STATEMENTS TO

Name: ROSSMORE ENTERPRISES
Street Address: 23041 Avenida de la Carlota, #210
City & State: Laguna Hills, CA 92653

CD 888 LB 313831-16

Quitclaim Deed

181619

THIS FORM FURNISHED BY TRUSTORS SECURITY SERVICE

The undersigned Grantor (s) declare (s) under penalty of perjury that the following is true and correct:

DOCUMENTARY TRANSFER TAX \$.....660.00.....

- () computed on full value of property conveyed, or
- () computed on full value less value of liens and encumbrances remaining at time of sale.
- () Unincorporated area: () City of _____, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

PHILIP S. SIRIANNI, TRUSTEE OF THE PHILIP S. SIRIANNI AND JANICE B. SIRIANNI 1981 REVOCABLE LIVING TRUST, AS AMENDED AND RESTATED JUNE 22, 1982

hereby REMISE(S), RELEASE(S) AND FOREVER QUITCLAIM(S) to

ROSSMORE ENTERPRISES, A CALIFORNIA CORPORATION, as to an undivided eighty-six and one-half percent (86.5%) interest

the following described real property in the City of Redlands county of San Bernardino state of California:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF
More commonly known as: WBBS Ranch, Redlands, California

Dated November 2, 1992

Philip S. Sirianni

Philip S. Sirianni, Trustee
and individually

State of California

County of ORANGE

On November 2, 1992

before me, Patricia E. Migliori

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

WITNESS my hand and official seal.

Signature *Patricia E. Migliori*



If executed by a Corporation, the Corporation Form of Acknowledgement must be used.

(This area for official notarial seal)

Title Order No. _____ Escrow, Loan or Attorney File No. _____

MAIL TAX STATEMENTS AS DIRECTED ABOVE

02 PARCEL

031 PAGE

0167 MAP BOOK

Assessors Identification Number:

THIS IS A TRUE AND CORRECT COPY OF THE ATTACHED PAGE(S)
WHICH IS/ARE PARTIALLY NOT REPRODUCIBLE.

CONTINENTAL LAWYERS TITLE COMPANY

BY: Lester Shumplin

92-534058

RECORDING REQUESTED BY

Continental Investors Title Company

92-534058

AND WHEN RECORDED MAIL TO

HOWARD M. LARSEN, INC.

4 Upper Newport Plaza, Suite 103
Newport Beach, CA 92660

SPACE ABOVE THIS LINE FOR RECORDER'S USE

MAIL TAX STATEMENTS TO

ROSSMORE ENTERPRISES

23041 Avenida de la Carlota, #210
Laguna Hills, CA 92653

OD 88818 313831-16

Quitclaim Deed

181619

THIS FORM FURNISHED BY TRUSTORS SECURITY SERVICE

The undersigned Grantor (s) declare (s) under penalty of perjury that the following is true and correct:

DOCUMENTARY TRANSFER TAX \$.....

- () computed on full value of property conveyed. or
- () computed on full value less value of liens and encumbrances remaining at time of sale.
- () Unincorporated area: () City of _____ and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

PHILIP S. SIRIANNI, TRUSTEE OF THE PHILIP S. SIRIANNI AND JANICE B. SIRIANNI 1981 REVOCABLE LIVING TRUST, AS AMENDED AND RESTATED JUNE 22, 1982

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More commonly known as: WBBS Ranch, Redlands, California

Dated November 2, 1992

Philip S. Sirianni, Trustee and individually

State of California

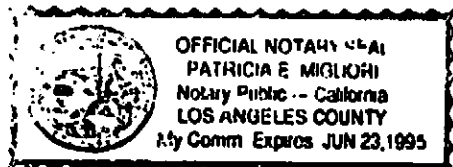
County of ORANGE

On November 2, 1992

before me, Patricia E. Migliori

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

WITNESS my hand and official seal.
Signature



If executed by a Corporation, the Corporation Form of Acknowledgement must be used.

*This area for official notarial seal

Title Order No. _____ Escrow, Loan or Attorney File No. _____

ASSESSOR'S IDENTIFICATION NUMBER. MAP BOOK PAGE PARCEL

Parcel No. 1:

Lot 14 of Davenport's Subdivision, in the City of Redlands, County of San Bernardino, State of California, as per Map recorded in Book 13, Page 42 of Maps, Records of said County, being a subdivision of a portion of the North 1/2 of the Southeast 1/4 and the South 1/2 of the Northeast 1/4 of Section 16, Township 1 South, Range 3 West, San Bernardino Meridian, in the City of Redlands, County of San Bernardino, State of California, according to the Official Map of said Land filed in the District Land Office, February 24, 1869.

Excepting therefrom that portion thereof conveyed to the State of California, Department of Transportation, by Deed dated June 10, 1981, recording Number 81-126756, of Official Records.

Parcel No. 2:

Lot 13 of Davenport's Subdivision, in the City of Redlands, County of San Bernardino, State of California, as per Map recorded in Book 13, Page 42 of Maps, Records of said County, being a subdivision of a portion of the North 1/2 of the Southeast 1/4 of the South 1/2 of the Northeast 1/4 of Section 16, Township 1 South, Range 3 West, San Bernardino Meridian, in the City of Redlands, according to the Official Map of said land filed in the District Land Office, February 24, 1869, of Official Records.

Excepting therefrom the East 66 feet.

Parcel No. 3:

Lot 11 of Davenport's Subdivision, in the City of Redlands, County of San Bernardino, State of California, as per Map recorded in Book 13, Page 42 of Maps, Records of said County, being a subdivision of portion of the North 1/2 of the Southeast 1/4 and the South 1/2 of the Northeast 1/4 of Section 16, Township 1 South, Range 3 West, San Bernardino Meridian, in the City of Redlands, according to the Official Map of said land filed in the District Land Office, February 24, 1869, of Official Records.

Parcel No. 4:

The North 1/2 of Lot 1 of Davenport's Subdivision, in the City of Redlands, County of San Bernardino, State of California, as per Map recorded in Book 13, Page 42 of Maps, Records of said County, being a portion of the North 1/2 of the Southeast 1/4 of the South 1/2 of the Northeast 1/4 of Section 16, Township 1 South, Range 3 West, San Bernardino Meridian, according to the Official Map of said land filed in the District Land Office, February 24, 1869, of Official Records.

Deed Exhibit 2

Recorded in Official Records, County of San Bernardino

11/01/2002
2:13 PM
MA

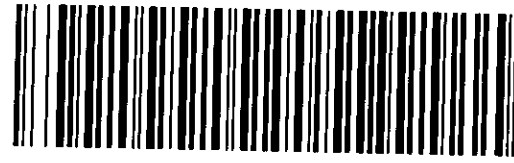


LARRY WALKER
Auditor/Controller - Recorder

R Regular Mail

Doc#: 2002 - 0590706

Titles: 1 Pages: 6



Fees	31.00
Taxes	0.00
Other	0.00
PAID	\$31.00

**RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:**

PALMIERI, TYLER, WIENER,
WILHELM & WALDRON LLP (JW)
2603 Main Street, East Tower Suite 1300
Irvine, California 92614

SPACE ABOVE THIS LINE FOR RECORDER'S USE

QUITCLAIM DEED

THIS AREA FOR RECORDER'S USE ONLY

THIS COVER SHEET ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION
(\$3.00 Additional Recording Fee Applies)

AP: 0167-031-02, 04 & 16; 0167-061-04
FRASER

**RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:**

PALMIERI, TYLER, WIENER,
WILHELM & WALDRON LLP (JW)
2603 Main Street, East Tower
Suite 1300
Irvine, California 92614

SPACE ABOVE THIS LINE FOR RECORDER'S USE

The Grantors and Grantees in this conveyance are comprised of the same parties who continue to hold the same proportionate interest R & T 11923(d)

MAIL TAX STATEMENTS TO:

FRASER PARTNER PROPERTIES, LLC
1320 North Manzanita
Orange, CA 92867

A.P. Nos. 0167-031-02, 04 & 16;
0167-061-04

DOCUMENTARY TRANSFER TAX \$ 0

— Computed on the consideration or value of property conveyed; OR
— Computed on the consideration or value less liens or encumbrances remaining at time of sale.

James E. Wilhelm

Signature of Declarant or Agent determining tax
JAMES E. WILHELM of PALMIERI, TYLER, WIENER,
WILHELM & WALDRON LLP

QUITCLAIM DEED

FOR VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, RODERICK ANTHONY FRASER, II, Trustee of the Trust Created Under the Last Will of Roderick A. Fraser and the Order of Final Distribution in the Estate of Roderick A. Fraser dated March 13, 1986 (OCSC Case No. A-110458) and recorded as Instrument No. 86-193246 in the Office of the County Recorder of Orange County, California, and RODERICK ANTHONY FRASER, II and SUZANNE (SALLOUM) FISH, as Co-Trustees of The Patricia R. Fraser Revocable Trust established May 24, 1984, by Patricia R. Fraser, Trustor, **HEREBY REMISE, RELEASE AND FOREVER QUITCLAIM:** to FRASER PARTNER PROPERTIES, LLC, a California limited liability company, the real property in the City of Redlands, County of San Bernardino State of California, described as follows:

See legal description attached hereto as Exhibit "A" and made a part hereof.

Dated: 1-18, 2002

Roderick Anthony Fraser, II

Roderick Anthony Fraser, II
Trustee of the Trust Created Under the
Last Will of Roderick A. Fraser

Roderick Anthony Fraser, II

Roderick Anthony Fraser, II; and,

Suzanne Salloom Fish

Suzanne (Salloom) Fish, Co-Trustees of The
Patricia R. Fraser Rev. Trust est. 5/24/84

Notary Acknowledgment Attached

MAIL TAX STATEMENTS AS INDICATED ABOVE

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

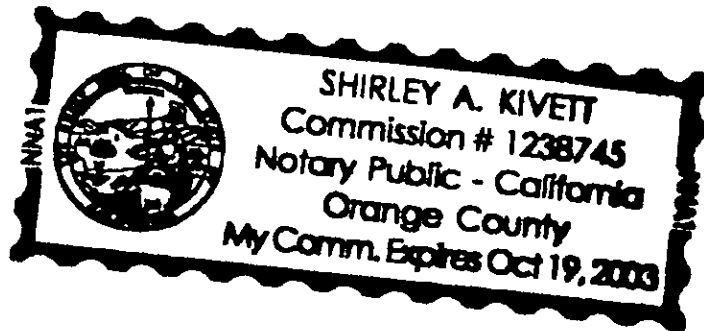
STATE OF CALIFORNIA)
) SS:
COUNTY OF ORANGE)

On this 18th day of January, 2002, before me, the undersigned notary public, personally appeared SUZANNE SALLOUM also known as SUZANNE SALLOUM FISH and SUZANNE FISH,

personally known to me -OR- proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Shirley A. Kivett
SIGNATURE OF NOTARY



OPTIONAL SECTION
CAPACITY CLAIMED BY SIGNER

Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

- INDIVIDUAL
- CORPORATE OFFICER(S)

TITLE(S)

- PARTNER(S)
 - LIMITED
 - GENERAL
- ATTORNEY-IN-FACT
- TRUSTEE(S)
- GUARDIAN/CONSERVATOR
- OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

OPTIONAL SECTION

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form.

TITLE OR TYPE OF DOCUMENT _____

NUMBER OF PAGES _____

DATE OF DOCUMENT _____

SIGNER(S) OTHER THAN NAMED ABOVE _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

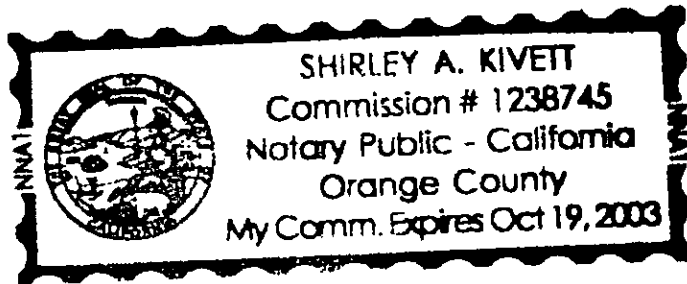
STATE OF CALIFORNIA)
) SS:
COUNTY OF ORANGE)

On this 31st day of January, 2002, before me, the undersigned notary public, personally appeared RODERICK ANTHONY FRASER, II,

personally known to me -OR- proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that HE executed the same in HIS authorized capacity, and that by HIS signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Shirley A. Kivett
SIGNATURE OF NOTARY



OPTIONAL SECTION
CAPACITY CLAIMED BY SIGNER
Though statute does not require the Notary to fill in the data below, doing so may prove invaluable to persons relying on the document.

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 - LIMITED
 - GENERAL
 - ATTORNEY-IN-FACT
 - TRUSTEE(S)
 - GUARDIAN/CONSERVATOR
 - OTHER: _____

SIGNER IS REPRESENTING:
NAME OF PERSON(S) OR ENTITY(IES)

OPTIONAL SECTION

THIS CERTIFICATE MUST BE ATTACHED TO THE DOCUMENT DESCRIBED AT RIGHT:

Though the data requested here is not required by law, it could prevent fraudulent reattachment of this form.

TITLE OR TYPE OF DOCUMENT _____
NUMBER OF PAGES _____
DATE OF DOCUMENT _____
SIGNER(S) OTHER THAN NAMED ABOVE _____

EXHIBIT "A"

An undivided 1/7th interest in a 13.5% interest in 31.18 acres of land, located in the City of Redlands, State of California and more particularly described as:

Parcel No. 1: Lot 14 of Davenport's Subdivision, in the City of Redlands, as per plat recorded in book 13 of Maps, page 42, records of said County, being a subdivision of a portion of the north 1/2 of the southeast 1/4 and the south 1/2 of the northeast 1/4 of Section 16, township 1 south, range 3 west, San Bernardino Meridian, in the City of Redlands, according to the Official Plat of said land filed in the District Land Office, February 24, 1869, EXCEPTING THEREFROM that portion thereof conveyed to the State of California Department of Transportation, by deed dated June 10, 1981 recording number 81-126756.

Parcel No. 2: Lot 13 of Davenport's Subdivision, in the City of Redlands, as per plat recorded in book 13 of Maps, page 42, records of said County, being a subdivision of a portion of the north 1/2 of the southeast 1/4 and the south 1/2 of the northeast 1/4 of Section 16, township 1 south, range 3 west, San Bernardino Meridian, in the City of Redlands, according to the Official Plat of said land filed in the District Land Office, February 24, 1869.

Excepting therefrom the east 66 feet.

Parcel No. 3: Lot 11 of Davenport's Subdivision, in the City of Redlands, as per plat recorded in book 13 of Maps, page 42, records of said County, being a subdivision of portion of the north 1/2 of the southeast 1/4 and the south 1/2 of the northeast 1/4 of Section 16, township 1 south, range 3 west, San Bernardino Meridian, in the City of Redlands, according to the Official Plat of said land filed in the District Land Office, February 24, 1869.

Parcel No. 4: The north 1/2 of Lot 1 of Davenport's Subdivision, in the City of Redlands, as per plat recorded in book 13 of Maps, page 42, records of said County, being a portion of the north 1/2 of the southeast 1/4 and the south 1/2 of the northeast 1/4 of

Section 16, township 1 south, range 3 west,
San Bernardino Meridian, according to the
Official Plat of said land filed in the District
Land Office, February 24, 1869.

Parcel No. 5: That portion of Section 16, town-
ship 1 south, range 3 west, San Bernardino Base
and Meridian, according to the Official Plat filed
in the District Land Office, February 24, 1869,
described as follows:

Beginning at a point 477 feet west of a point 152
feet north of the southeast corner of the north
1/2 of the southwest 1/4 of said section; thence
north 0°26' west 342.1 feet; thence north 5°19'
east 40.34 feet; thence north 0°21' west 377.4
feet; thence north 1°46' east 100.04 feet; thence
north 0°27' west 129.7 feet; thence south 89°47'
west 445.5 feet; thence south 986.25 feet; thence
east 443 feet to the point of beginning.

Parcel No. 6: All that portion of Section 16,
township 1 south, range 3 west, San Bernardino
Meridian, according to the Official Plat filed
in the District Land Office, February 24, 1869,
described as follows:

Commencing at a point 1419 feet east of the
southwest corner of said Section 16; thence north
1°20' east 720.55 feet for true point of begining;
thence north 1°20' east 747.32 feet east 458.8
feet; thence south 0°1' west 746.63 feet to a
point 720.84 feet north of the south line of
Section 16; thence west 475.38 feet to a point of
beginning.

AP No. 0167-031-02, 0167-031-04,
0167-031-16, 0167-061-04

Deed Exhibit 3

RECORDING REQUESTED BY

Carla Collins Clark

AND WHEN RECORDED MAIL DOCUMENT TO:

NAME Carla Collins Clark

STREET ADDRESS 207 Governors Rd

CITY, STATE & ZIP CODE Brookfield, NH 03872-7304

(MAIL TAX STATEMENTS SAME AS ABOVE)

Recorded in Official Records, County of San Bernardino



BOB DUTTON
ASSESSOR - RECORDER - CLERK

C Priority Mail

8/05/2016

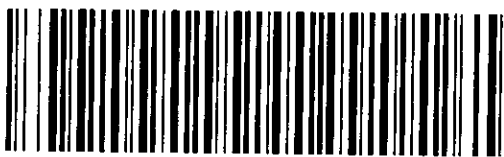
11:56 AM

ALS

SAN

Doc#: 2016-0315891

Titles: 1 Pages: 3



Fees	21.00
Taxes	0.00
Other	0.00
PAID	\$21.00

SPACE ABOVE FOR RECORDER'S USE ONLY

Order of Final Distribution

Title of Document

This is a court-ordered conveyance or decree that is not pursuant to sale and is exempt from tax (Rev. & Tax. Code Sec. 11911).

THIS AREA FOR RECORDER'S USE ONLY

THIS COVER SHEET ADDED TO PROVIDE ADEQUATE SPACE FOR RECORDING INFORMATION
(\$3.00 Additional Recording Fee Applies)

1 CARLA COLLINS CLARK
2 207 Governors Rd
3 Brookfield, NH 03872
4 Telephone: 603-387-5184
5 Petitioner in pro per

FILED
SUPERIOR COURT
COUNTY OF SAN BERNARDINO
SAN BERNARDINO DISTRICT

SEP 14 2015

BY Rachel Rodella DEPUTY

8 SUPERIOR COURT OF CALIFORNIA
9 FOR THE COUNTY OF SAN BERNARDINO

11 Estate of) Case No.: PROPS1500095
12 PHILIP JOHN KUBICKI, aka)
13 PHIL KUBICKI) ORDER OF FINAL DISTRIBUTION
14 Deceased.) ON WAIVER OF ACCOUNTING
15) Hearing Date:
16) Time:
17) Department:
18) Judge:

16 CARLA COLLINS CLARK, as personal representative of the estate of the
17 above-named decedent, having filed a Petition for Final Distribution without
18 rendering account, and the report and petition coming on this day, 14th
19 September, 2015 regularly for hearing at 8:30am in Dept. SS5 of the
20 above-entitled Court, the Honorable JOHN P. VANDERFEER, Judge presiding,
21 petitioner, Carla Collins Clark appearing in pro pria persona and there being
22 no opposition, the Court, after examining the petition and hearing the
23 evidence, finds that due notice of the hearing of the petition has been
24 regularly given as prescribed by law; that all of the allegations of the
25 petition are true; that the assets described below in this decree of
26 distribution comprise the entire estate on hand for distribution; that no
27 federal estate taxes were due from the estate; that all personal property
28 taxes due and payable by said estate have been paid; and that said report and

RECEIVED

JUL 30 2015

SUPERIOR COURT
SAN BERNARDINO COUNTY

APN: 0167-031-06-0-000

1 petition should be approved and distribution ordered as prayed for.

2 IT IS THEREFORE ORDERED by the Court that notice to creditors has been
3 given as required by law; that the personal representative has in her
4 possession belonging to said estate the assets described herein; that said
5 report and petition are approved.

6 IT IS FURTHER ORDERED that the following property, together with any
7 other property of the estate not now known or discovered which may belong to
8 the estate, or in which the decedent or the estate may have an interest, is
9 hereby distributed to CARLA COLLINS CLARK, 207 Governors Rd, Brookfield, NH


10 03872:

Carry Value

11 The South ½ of lot 10, according to Map of Subdivision of a
12 portion of the North ½ of the Southeast ¼ and the South ½ of
13 the Northeast ¼ of Section 16, Township 1 South, Range 3 West,
14 San Bernardino Base and Meridian, in the City of Redlands,
15 County of San Bernardino, State of California, as per plat
16 recorded in Book 13 of Maps, page 42, records of said County.

17 Citrus land. Assessor's Parcel No. 0167-031-06-0-000 \$998,000.00

18
19 DATED: Sept. 14, 2015

20
21 
22 JUDGE OF THE SUPERIOR COURT



THE DOCUMENT TO WHICH THIS CERTIFICATION IS ATTACHED, CONSISTING OF 2 PAGE(S), IS A FULL, TRUE AND CORRECT COPY OF THE ORIGINAL ON FILE AND OF RECORD IN MY OFFICE.

CHRISTINA M. VOLKERS

ATTEST
Clerk of the Superior Court of the State of California,
in and for the County of San Bernardino.

Date: 10-15-15

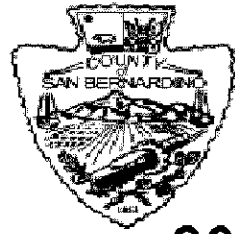
By:  Deputy
OLIVIA V. MEJIA

Deed Exhibit 4

RECORDING REQUESTED BY

AND WHEN RECORDED MAIL DOCUMENT TO:

NAME David & Nikki Lebow
STREET ADDRESS 3781 Ashwood Ave.
CITY, STATE & ZIP CODE Los Angeles, CA.
90066



BOB DUTTON
ASSESSOR - RECORDER - CLERK
626 Lawyers Title Company

Doc# 2019-0044475



Titles	1	Pages	3
Fees			20.00
Taxes			.00
CA SB2 Fee			75.00
Others			.00
Paid			95.00

SPACE ABOVE FOR RECORDER'S USE ONLY

Grant Deed.

Title of Document

LAWYERS TITLE ACCOMODATION

RECORDING REQUESTED BY:)

David Lebow & Nikki Young Lebow)

AND WHEN RECORDED MAIL TO)
AND MAIL TAX STATEMENTS TO:)

David & Nikki Lebow)
3781 Ashwood Avenue)
Los Angeles, California 90066)

Space Above This Line For Recorder's Use Only

A.P.N. 0167-031-05-0-000 & 0167-031-07-0-000

GRANT DEED

The undersigned grantor declares:

DOCUMENTARY TRANSFER TAX: \$0 None - Exemption R&T Code §62.

There is no consideration for this transfer:

The undersigned grantor, The Trust Company of Oklahoma as successor Trustee of the Ruth Lebow Revocable Trust, dated February 28,1991,

hereby GRANTS, to: David Lebow and Nikki Young Lebow, as Trustees of the Lebow Living Trust, dated July 22, 2010, an undivided 50% interest in the following described vacant land at Domestic Avenue, in the City of Redlands, County of San Bernardino, State of California:

“Parcel 1: The North ½ of Lot 10, in the City of Redlands, as shown on the Map entitled Subdivision of a Portion of the North ½ of the Southeast ¼ and the South ½ of the Northeast ¼, Section 16, Township 1 South, Range 3 West, SBM, Recorded on February 26, 1901 in Book 13 of Maps, Page 42, in the office of the Recorder of said County.

Parcel 2: All of Lot 9, as shown on the Map entitled Subdivision of a Portion of the North ½ of the Southeast ¼ and the South ½ of the Northeast ¼, Section 16, Township 1 South Range 3 West, SBM, recorded on February 26, 1901 in Book 13 of Maps, Page 42, in the office of the Recorder of said County.”

[Signature Page to follow.]

Deed Exhibit 5

RECORDING REQUESTED BY:

CONOVER & GREBE, LLP

AND WHEN RECORDED MAIL TO AND MAIL TAX STATEMENTS TO:

Mr. Max Lebow
1805 Pine Avenue
Manhattan Beach, California 90266-5012

Recorded in Official Records, County of San Bernardino

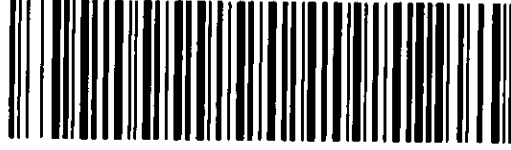


LARRY WALKER
Auditor/Controller - Recorder

R Regular Mail

3/26/2008
1:37 PM
MA

Doc#: 2008-0132817



Titles:	1	Pages:	1
Fees	9.00		
Taxes	0.00		
Other	1.00		
PAID	\$10.00		

SPACE ABOVE THIS LINE FOR RECORDER'S USE ONLY

A.P.N. 0167-031-05-0000 &
0167-031-07-0000

QUITCLAIM DEED

QUITCLAIM DEED [Excluded from Reappraisal Under R&TC §62(d)]

THE UNDERSIGNED GRANTOR DECLARES:

Documentary Transfer Tax is \$-0-. This conveyance transfers the Grantor's interest into his living trust. R&T §11930.

WITHOUT CONSIDERATION,

MAX LEBOW, a married man, as his sole and separate property,

hereby REMISES, RELEASES and QUITCLAIMS to:

MAX LEBOW, Trustee of the Max Lebow Separate Property Trust (created under Declaration of Trust dated March 7, 2008, wherein MAX LEBOW is a Trustor and Settlor),

all of his interest in the following described real property in the City Redlands, County of San Bernardino, State of California:

"Parcel 1: The North 1/2 of Lot 10, in the City of Redlands, as shown on the Map entitled Subdivision of a Portion of the North 1/2 of the Southeast 1/4 and the South 1/2 of the Northeast 1/4, Section 16, Township 1 South, Range 3 West, SBM, Recorded on February 26, 1901 in Book 13 of Maps, Page 42, in the office of the Recorder of said County.

Parcel 2: All of Lot 9, as shown on the Map entitled Subdivision of a Portion of the North 1/2 of the Southeast 1/4 and the South 1/2 of the Northeast 1/4, Section 16, Township 1 South, Range 3 West, SBM, recorded on February 26, 1901 in Book 13 of Maps, Page 42, in the office of the Recorder of said County."

Dated: 3/7/08

Max Lebow

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES)ss

On this 7th day of March, 2008, before me, JENNIFER R. AGUIRRE, a Notary Public, personally appeared MAX LEBOW, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under penalty of perjury under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public in and for said State



Deed Exhibit 6

Deed Exhibit 7

Deed Exhibit 8

ATTORNEY OR PARTY WITHOUT ATTORNEY (Name, state bar number, and address):
 After recording return to: Sibylle Grebe, State Bar No. 141553
 CONOVER & GREBE, LLP
 3424 W. Carson Street, Suite 320, Torrance, California 90503-5717
 TELEPHONE NO.: 310-542-9888
 FAX NO. (Optional): 310-542-1588
 E-MAIL ADDRESS (Optional): SGrebeEsq@aol.com
 ATTORNEY FOR (Name): Marilyn Stack

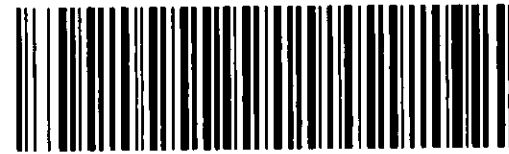


LARRY WALKER
 Auditor/Controller - Recorder

R Regular Mail

Doc#: 2007-0163082

Titles: 1 Pages: 2



Fees	11.00
Taxes	0.00
Other	1.00
PAID	\$12.00

SUPERIOR COURT OF CALIFORNIA, COUNTY OF San Bernardino
 STREET ADDRESS: 351 N. Arrowhead
 MAILING ADDRESS: 351 N. Arrowhead
 CITY AND ZIP CODE: San Bernardino 92415-0240
 BRANCH NAME: Central Court

MATTER OF (Name):

Howard A. Lebow

DECEDENT

FOR RECORDER'S USE ONLY

PROPS 0700156

AFFIDAVIT RE REAL PROPERTY OF SMALL VALUE
 (\$20,000 or Less)

FOR COURT USE ONLY

FILED
 Superior Court of California
 County of San Bernardino
 Redlands District

MAR 05 2007

By [Signature] Deputy

\$20 070306-2066

- Decedent (name): Howard A. Lebow
died on (date): May 27, 2000
- Decedent died at (city, state): Pittsburgh, Pennsylvania
- At least **six months** have elapsed since the date of death of decedent as shown in the certified copy of decedent's death certificate attached to this affidavit. (Attach a certified copy of decedent's death certificate.)
- Decedent was domiciled in this county at the time of death.
 - Decedent was not domiciled in California at the time of death. Decedent died owning real property in this county.
- The following is a **legal description** of decedent's real property claimed by the declarants (copy description from deed or other legal instrument):
 described in an attachment labeled Attachment 5a.
 A 3.332% interest in that real property situated in the County of San Bernardino, in the City of Redlands, CA 92374, and described as follows: SUB S 1/2 NE 1/4 AND N 1/2 SE 1/4 SEC 16 TP 1S R 3W LOT 9 9.85 AC. Assessor's Parcel No.: 0167-031-07-0000.
 - Decedent's interest in this real property is as follows (specify): A 3.332% interest
- Each declarant is a successor of decedent (as defined in Probate Code section 13006) and a successor to decedent's interest in the real property described in item 5a, and no other person has a superior right, because each declarant is
 - (**will**) a beneficiary who succeeded to the property under decedent's will. (Attach a copy of the will.)
 - (**no will**) a person who succeeded to the property under Probate Code sections 6401 and 6402.
- Names and addresses of each guardian or conservator of decedent's estate at date of death
 none are as follows* (specify):
- The **gross value** of all real property in decedent's estate located in California as shown by the *Inventory and Appraisal*, excluding the real property described in Probate Code section 13050 (joint tenancy, property passing to decedent's spouse, etc.), does not exceed \$20,000.
- An *Inventory and Appraisal* of decedent's real property in California is attached. The *Inventory and Appraisal* was made by a probate referee appointed for the county in which the property is located. (You may use *Judicial Council form DE-160*.)
- No proceeding is now being or has been conducted in California for administration of decedent's estate.

* You must have a copy of this affidavit with attachments personally served or mailed to each person named in item 7.

MATTER OF (Name): **Howard A. Lebow** DECEDENT **PROPS 0700156**

11. Funeral expenses, expenses of last illness, and all known unsecured debts of the decedent have been paid. [NOTE: You may be personally liable for decedent's unsecured debts up to the fair market value of the real property and any income you receive from it.] I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date: **10/16/06**
Marilyn Stack
 (TYPE OR PRINT NAME)

Marilyn Stack
 (SIGNATURE OF DECLARANT)

Date: _____
 (TYPE OR PRINT NAME)

 (SIGNATURE OF DECLARANT)
 SIGNATURE OF ADDITIONAL DECLARANTS ATTACHED

NOTARY ACKNOWLEDGMENTS (NOTE: No notary acknowledgment may be affixed as a rider (small strip) to this page. If additional notary acknowledgments are required, they must be attached as 8-1/2- by 11-inch pages.)

STATE OF CALIFORNIA, COUNTY OF (specify):
 On (date): **10-16-2006**, before me (name and title): **PATRICIA IDEFFOBIS, Notary**
 personally appeared (name): **MARILYN STACK**
 personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he or she executed the instrument in his or her authorized capacity, and that by his or her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
 WITNESS my hand and official seal.

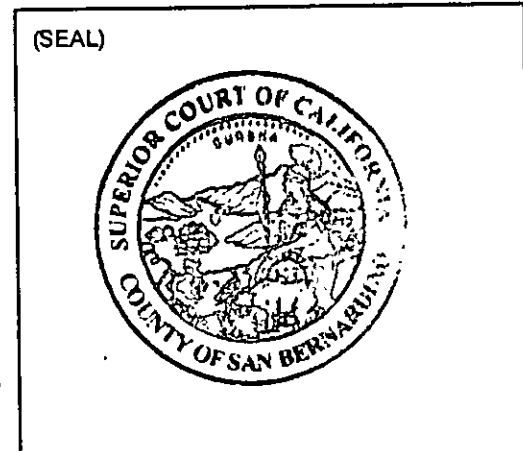
Patricia I. Deffobis
 (SIGNATURE OF NOTARY PUBLIC)

(NOTARY SEAL)
 Notarial Seal
 Patricia I. Deffobis, Notary Public
 City Of Pittsburgh, Allegheny County
 My Commission Expires May 12, 2007
 Member, Pennsylvania Association Of Notaries

STATE OF CALIFORNIA, COUNTY OF (specify):
 On (date): _____, before me (name and title): _____
 personally appeared (names): _____
 personally known to me (or proved to me on the basis of satisfactory evidence) to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the instrument in their authorized capacities, and that by their signatures, on the instrument the persons, or the entity or entities upon behalf of which the persons acted, executed the instrument.
 WITNESS my hand and official seal.

 (SIGNATURE OF NOTARY PUBLIC)

(NOTARY SEAL)
PROPS 0700156



CLERK'S CERTIFICATE
 I certify that the foregoing, including any attached notary acknowledgments and any attached legal description of the property (but excluding other attachments), is a true and correct copy of the original affidavit on file in my office. (Certified copies of this affidavit do not include the (1) death certificate, (2) will, or (3) inventory and appraisal. See Probate Code section 13202.)
 Date: **MAR 06 2007** Clerk, by *Wendy Salimou*, Deputy

46-Acres Redlands

Domestic Avenue
Redlands, CA 92374

Inquiry Number: 5585859.8
March 11, 2019

EDR Building Permit Report

Target Property and Adjoining Properties

TABLE OF CONTENTS

SECTION

About This Report

Executive Summary

Findings

Glossary

Thank you for your business.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EDR BUILDING PERMIT REPORT

About This Report

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

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

ASTM and EPA Requirements

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

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

Methodology

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

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

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

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



EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Petra Geotechnical Inc on Mar 11, 2019.

TARGET PROPERTY

Domestic Avenue
Redlands, CA 92374

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **NO PERMITS IDENTIFIED**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Burbank
Years: 1970-2018
Source: City of Burbank, Building Division, BURBANK, CA
Phone: (818) 238-5220

Name: Hanford
Years: 1996-2019
Source: City of Hanford, Building Division, HANFORD, CA
Phone: (559) 585-2581

Name: San Bernardino County
Years: 1996-2019
Source: San Bernardino County, Land Use, Building & Safety, FONTANA, CA
Phone: (909) 387-8311

Name: Redlands
Years: 2006-2019
Source: City of Redlands, Building & Safety Department, REDLANDS, CA
Phone: (909) 798-7551

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

**Domestic Avenue
Redlands, CA 92374**

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Permits Found

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000

Permit Type: Bldg -

New Permit Number: 101000000405

Status: Valuation: \$1,000,000.00

Contractor Company: OWNER-BUILDER

Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.



46-Acres Redlands

Domestic Avenue

Redlands, CA 92374

Inquiry Number: 5585859.11

March 11, 2019

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

03/11/19

Site Name:

46-Acres Redlands
Domestic Avenue
Redlands, CA 92374
EDR Inquiry # 5585859.11

Client Name:

Petra Geotechnical Inc
3186 Airway Avenue, Suite K
Costa Mesa, CA 92626
Contact: Jon Cain



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

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1975	1"=500'	Flight Date: December 01, 1975	USGS
1968	1"=500'	Flight Date: August 22, 1968	USDA
1966	1"=500'	Flight Date: April 16, 1966	USGS
1959	1"=500'	Flight Date: June 22, 1959	USDA
1953	1"=500'	Flight Date: January 15, 1953	USDA
1949	1"=500'	Flight Date: May 08, 1949	USDA
1938	1"=500'	Flight Date: July 04, 1938	USDA
1930	1"=500'	Flight Date: March 25, 1930	FAIR

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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INQUIRY #: 5585859.11

YEAR: 2016

— = 500'



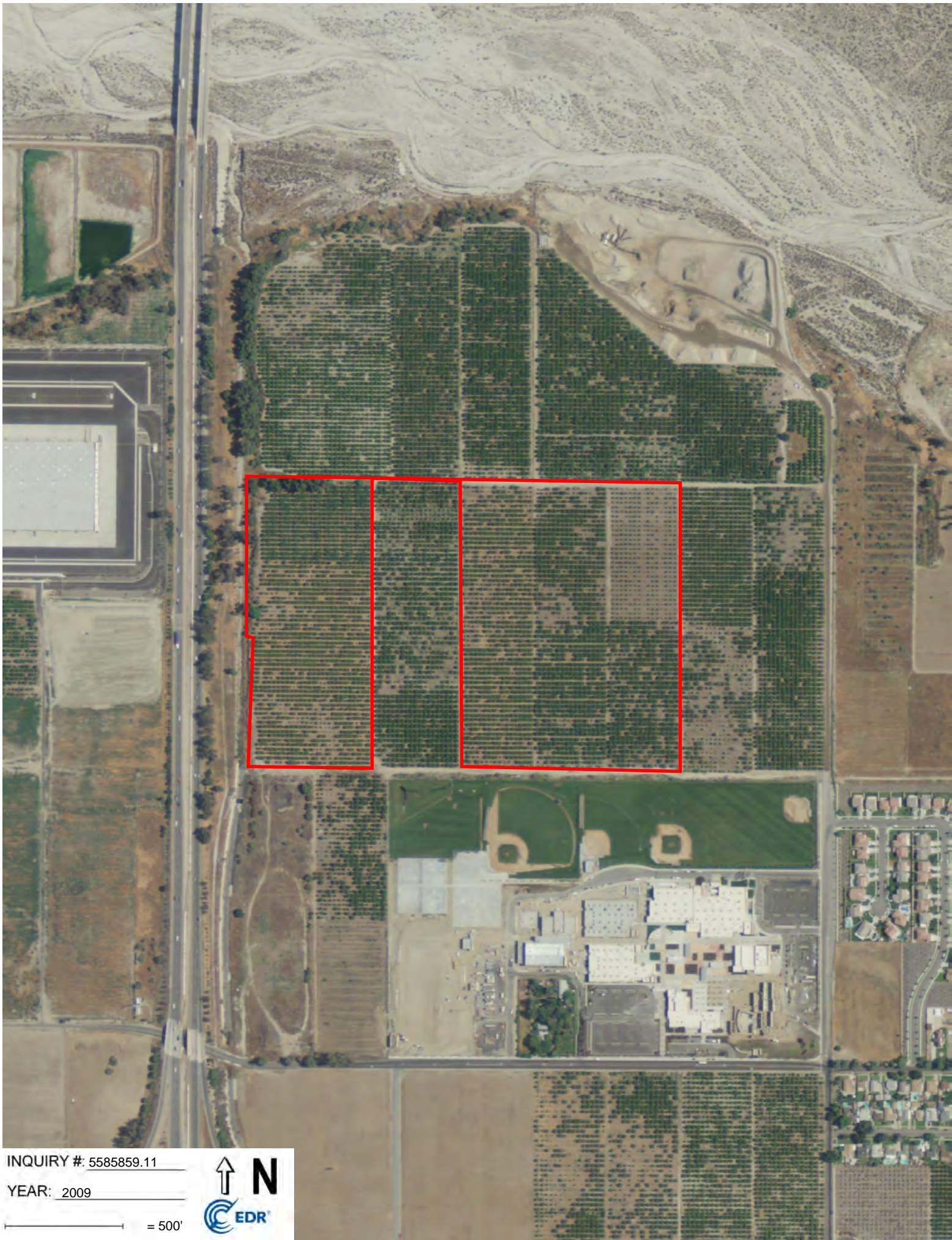


INQUIRY #: 5585859.11

YEAR: 2012

— = 500'



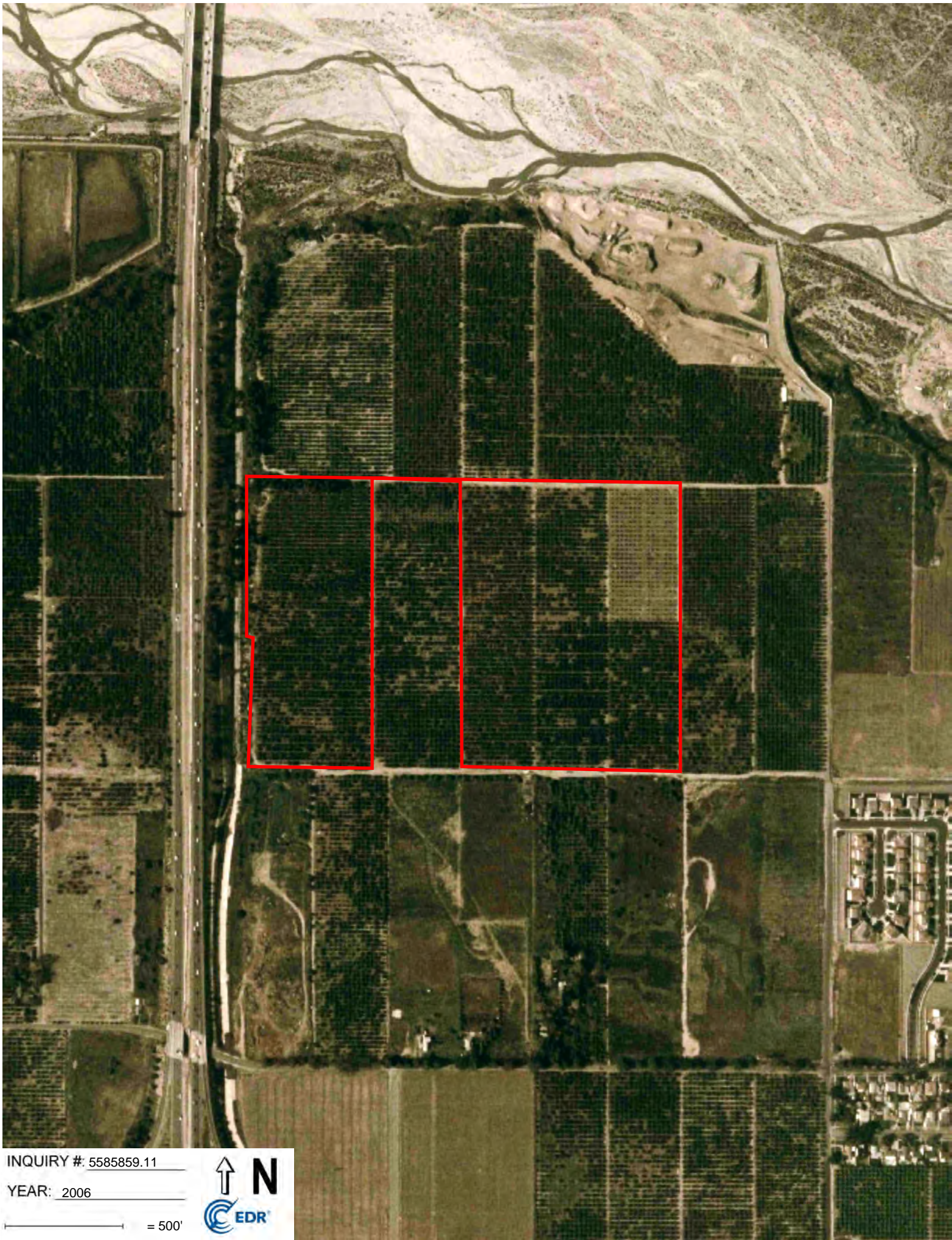


INQUIRY #: 5585859.11

YEAR: 2009

— = 500'



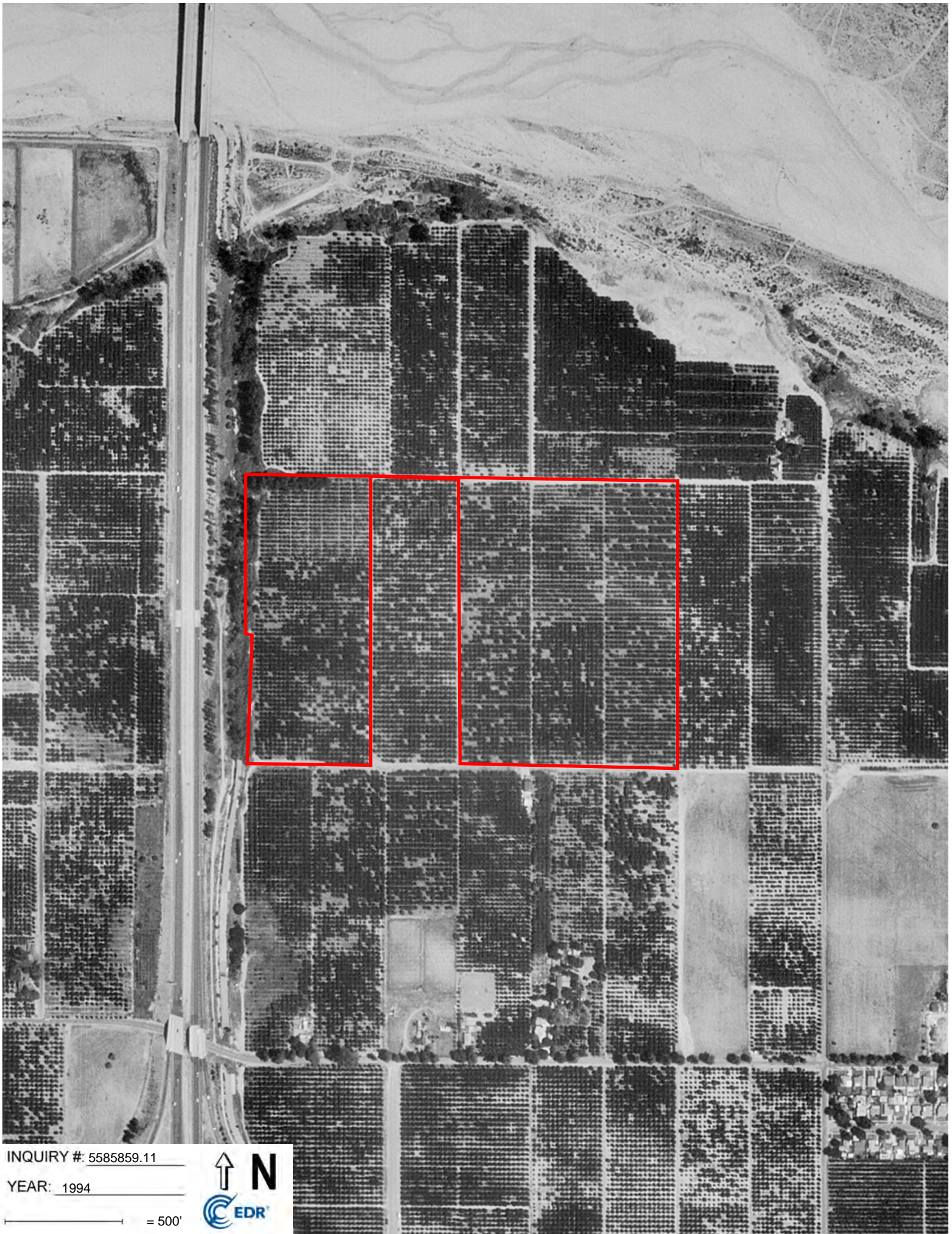


INQUIRY #: 5585859.11

YEAR: 2006

— = 500'



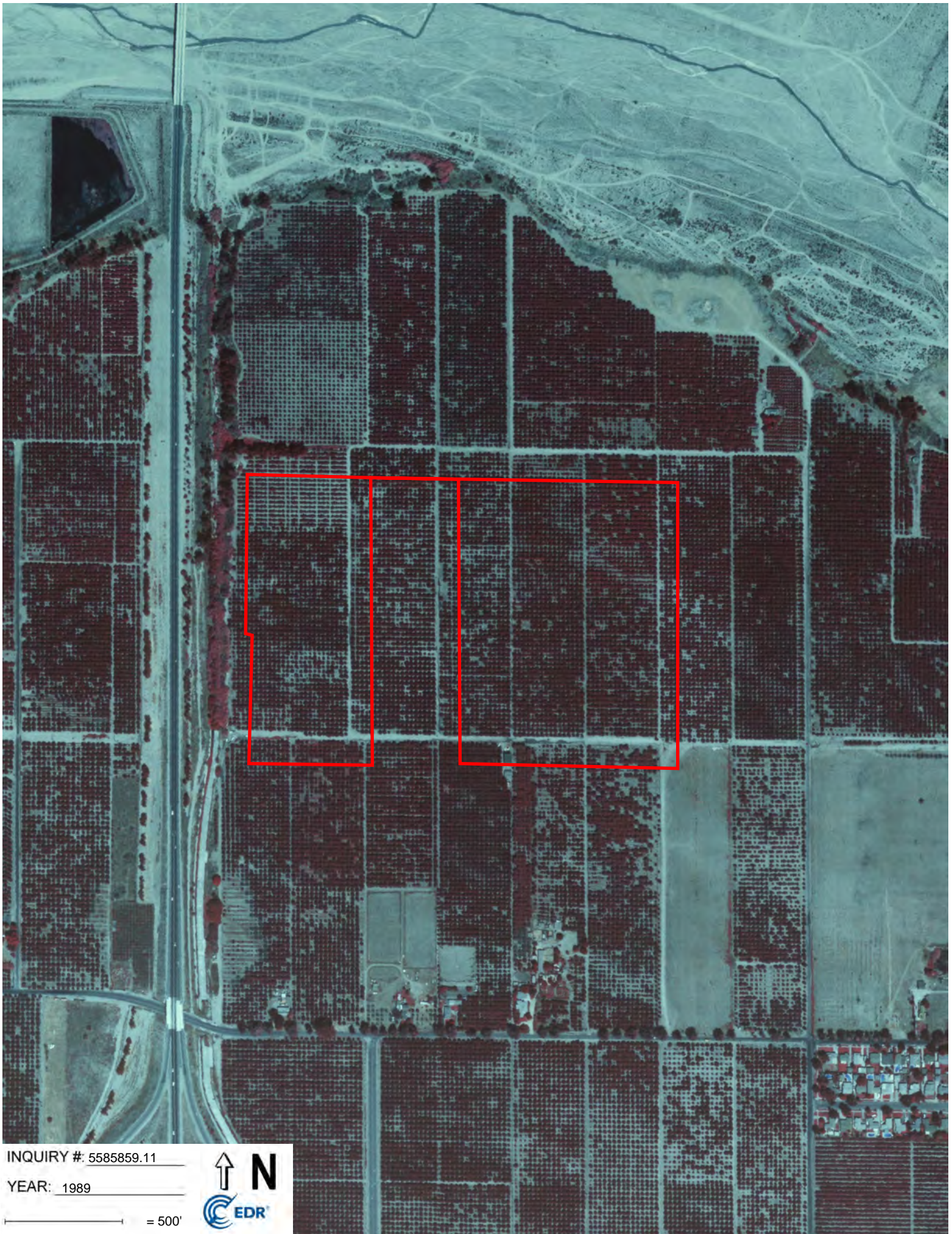


INQUIRY #: 5585859.11

YEAR: 1994

— = 500'





INQUIRY #: 5585859.11

YEAR: 1989

— = 500'





INQUIRY #: 5585859.11

YEAR: 1985

— = 500'



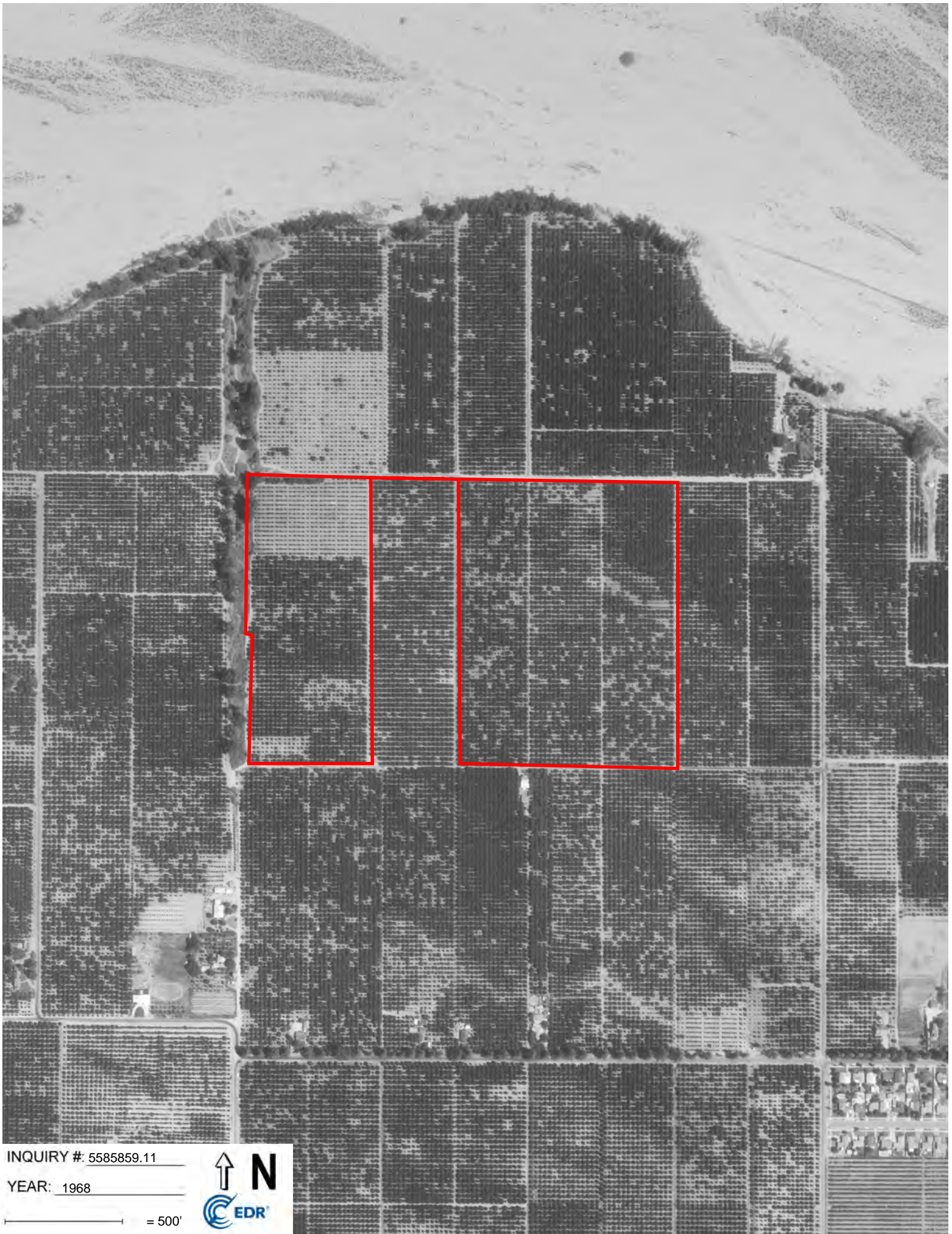


INQUIRY # 5585859.11

YEAR: 1975

— = 500'





INQUIRY # 5585859.11

YEAR: 1968

— = 500'



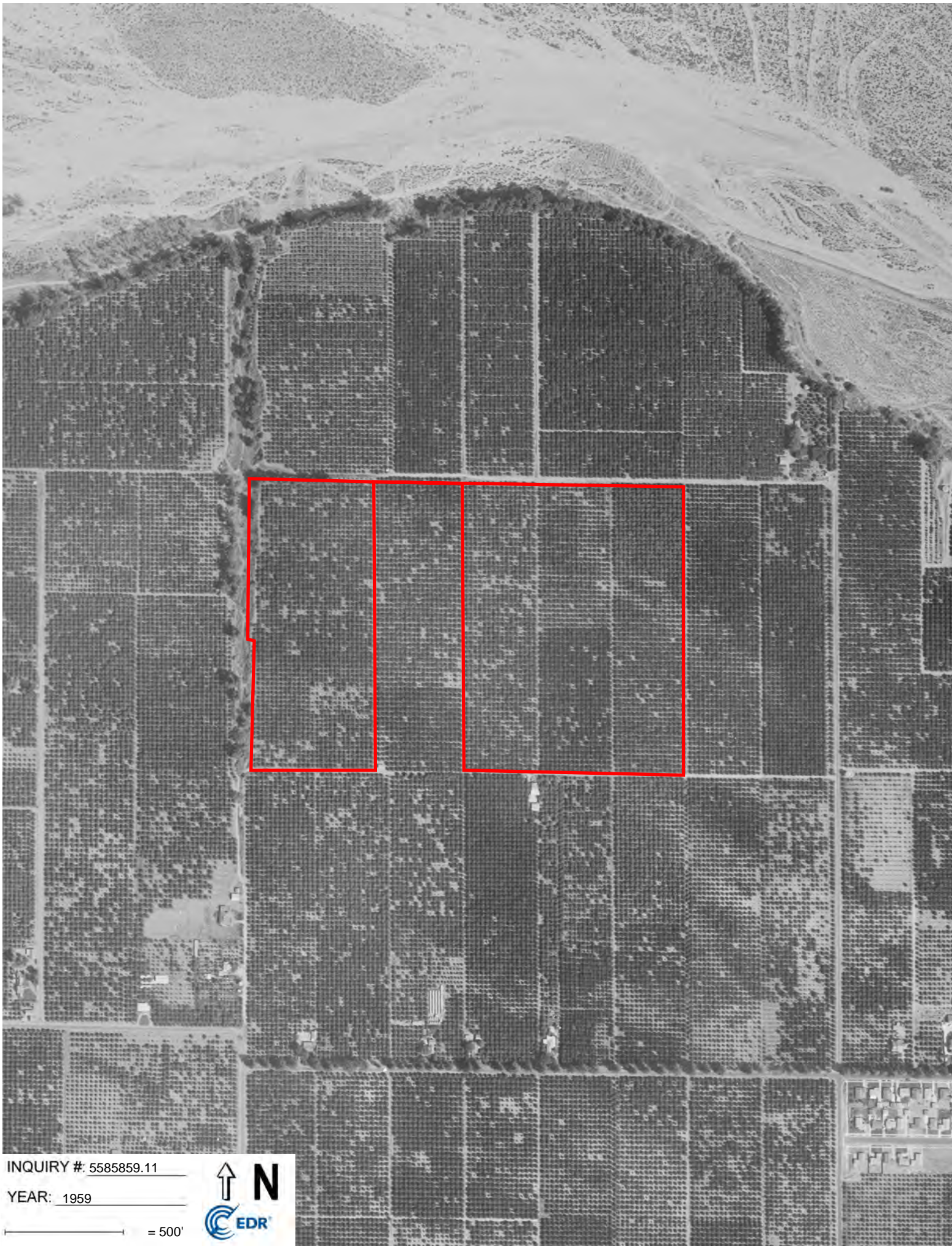


INQUIRY #: 5585859.11

YEAR: 1966

— = 500'



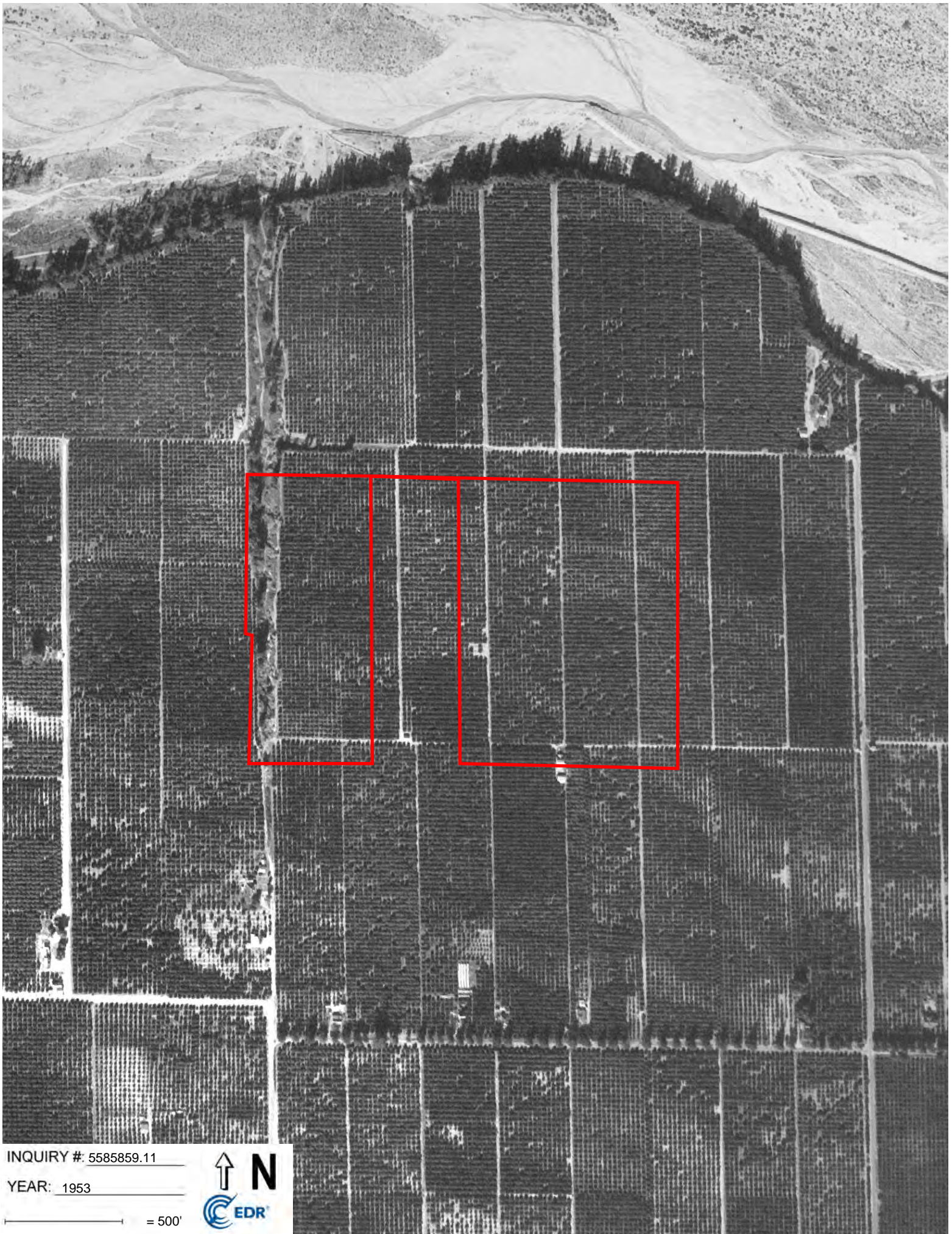


INQUIRY #: 5585859.11

YEAR: 1959

—= 500'



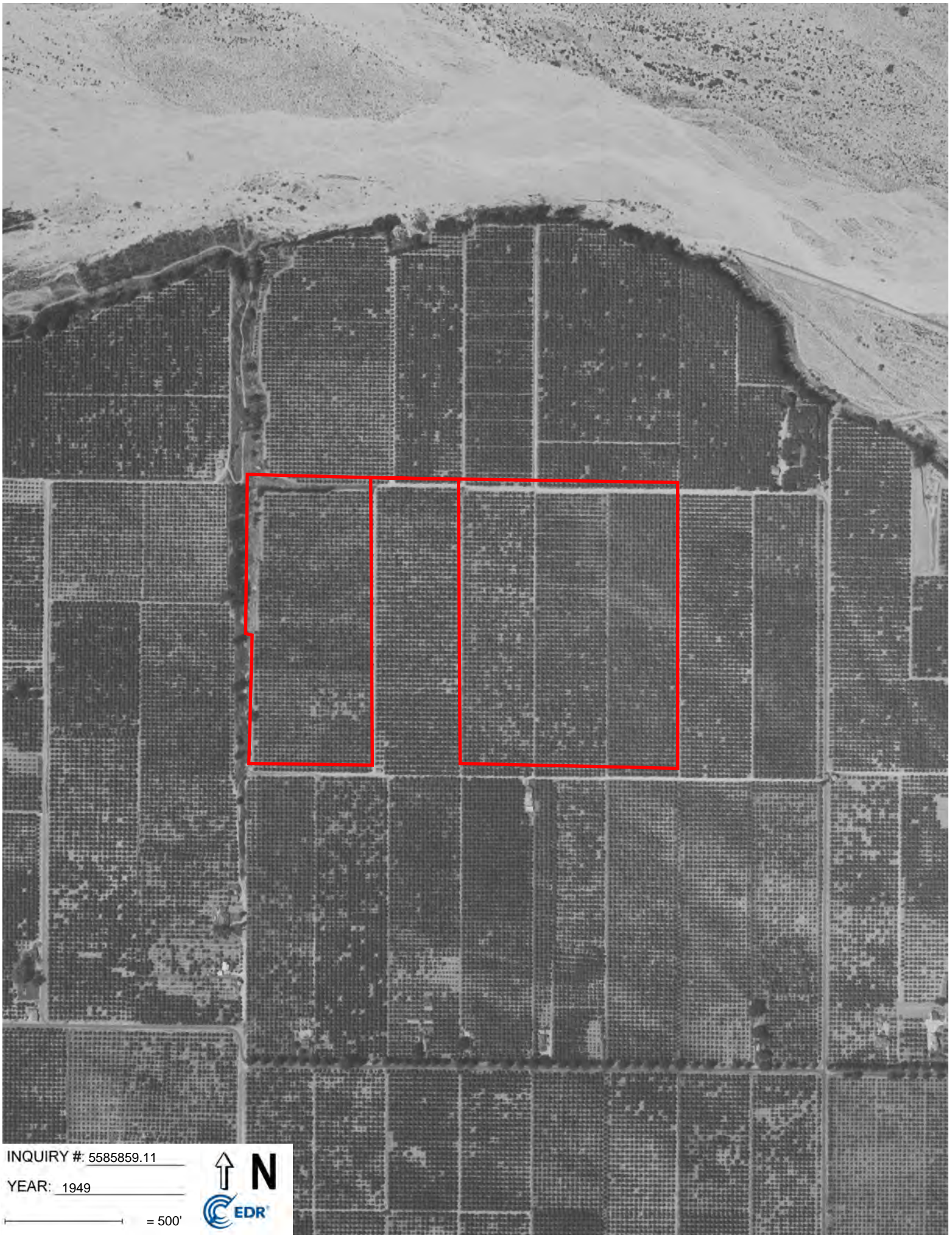


INQUIRY #: 5585859.11

YEAR: 1953

— = 500'



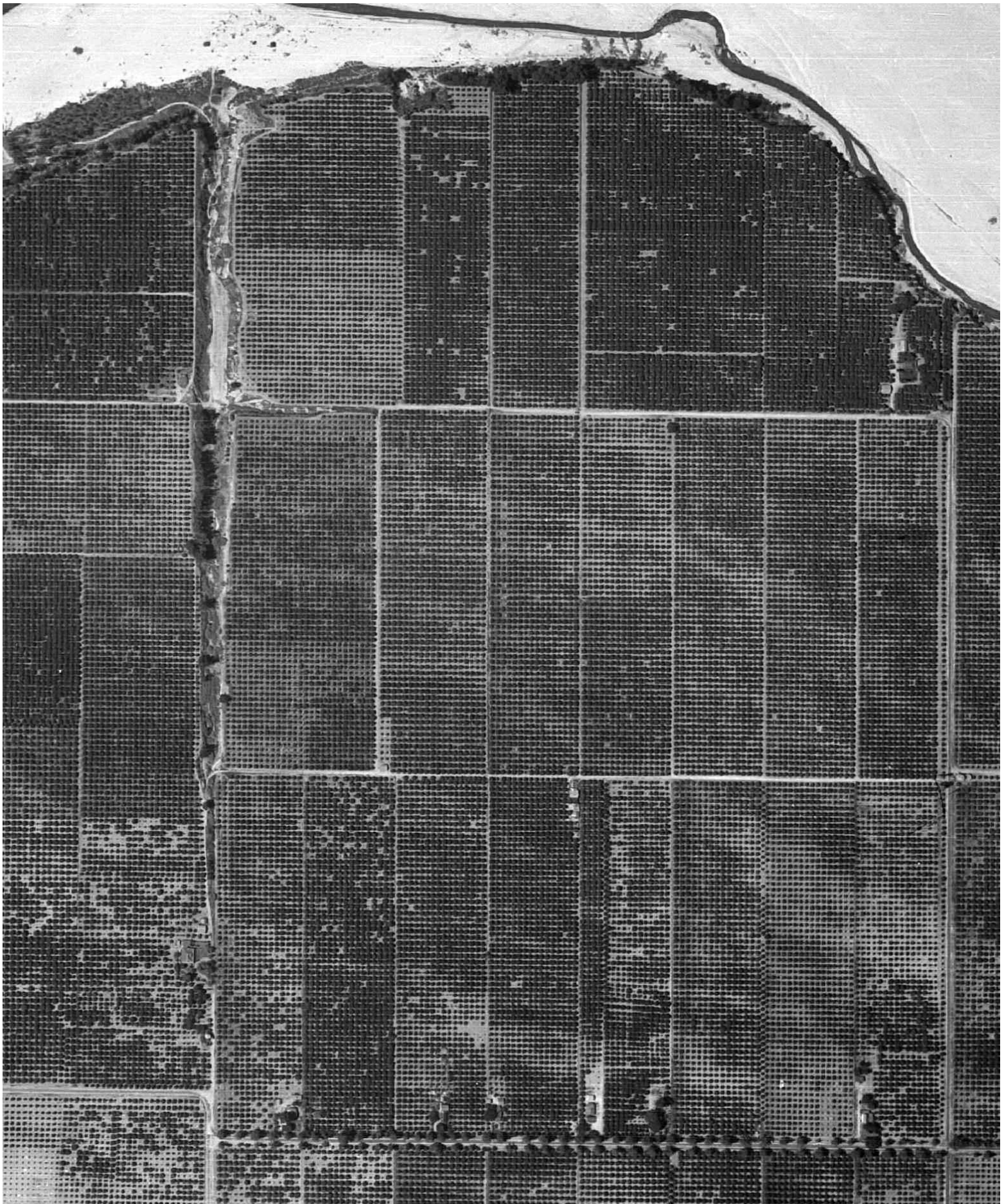


INQUIRY #: 5585859.11

YEAR: 1949

— = 500'





INQUIRY #: 5585859.11

YEAR: 1938

— = 500'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY #: 5585859.11

YEAR: 1930

— = 500'



APPENDIX D

INTERVIEWS

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: _____ Property Location: _____
Property Name: _____

B. INTERVIEW INFORMATION

Date/Time: 10/11/2018 In Person
Interviewer: _____ By Telephone, Number: _____
Person Interviewed: PHIL STRIANNI By Facsimile, Number: _____
Title/Company: PRESIDENT/ROSSMORE ENTERPRISES Email: PHIL@ROSSMOREPROPERTY.COM

1. What is your relationship to the property? ROSSMORE ENTERPRISES IS OWNER OF THE PROPERTY AS TO AN UNDIVIDED 86.5% INTEREST.

2. Do you have a good knowledge regarding the uses and physical characteristics of the property?
 Yes
 No If not, who does? _____ Phone Number: 970-429-8253

3. Do you have a good knowledge regarding the activities/processes conducted at the property?
 Yes
 No If not, who does? Chuck Hills Phone Number: 909-208-0690-cell
Larry Jacinto Farming, Inc 909-794-2276-office

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.

Orange Grove for the past 50 years

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 checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Petroleum products?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Chemicals?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Asbestos or asbestos-containing materials?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Lead-based paints?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Underground storage tanks?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Above-ground storage tanks?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Oil Wells?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sumps?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" 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: there is an off-site well that is used for irrigation of the orange grove. This is tied in to a drip irrigation system.

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.

PHASE I CLIENT QUESTIONNAIRE

The purpose of this questionnaire is to obtain information from the client regarding the Property.

Date Sent to Client _____

Date Received from Client _____

A. SITE INFORMATION

1. Property Name: Citrus Valley

2. Location (If a map is available, please include it): See Attached

3. Why is the Phase I required? (Development as a residential parcel, protection from CERCLA liability, etc?): _____

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: _____
Title/Company: See Seller Questionnaire For CONTACT
Phone number and/or email address: _____

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. Please see attached docs rec'd from Date Received from Client SELLER

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? LOCKED GATE

3. Is there a site manager that Petra needs to contact prior to visiting the site? Yes, CONTACT MLC HOLDINGS FOR 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

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

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. _____

PETRA GEOSCIENCES, INC.

40880 County Center Dr., Suite R, Temecula, CA

* (951) 600-9271 * (951) 719-1499

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? Yes No

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?

N/A

Yes No

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. Citrus Grove; Past
50 years

- 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. _____


Signature

10/11/18
Date

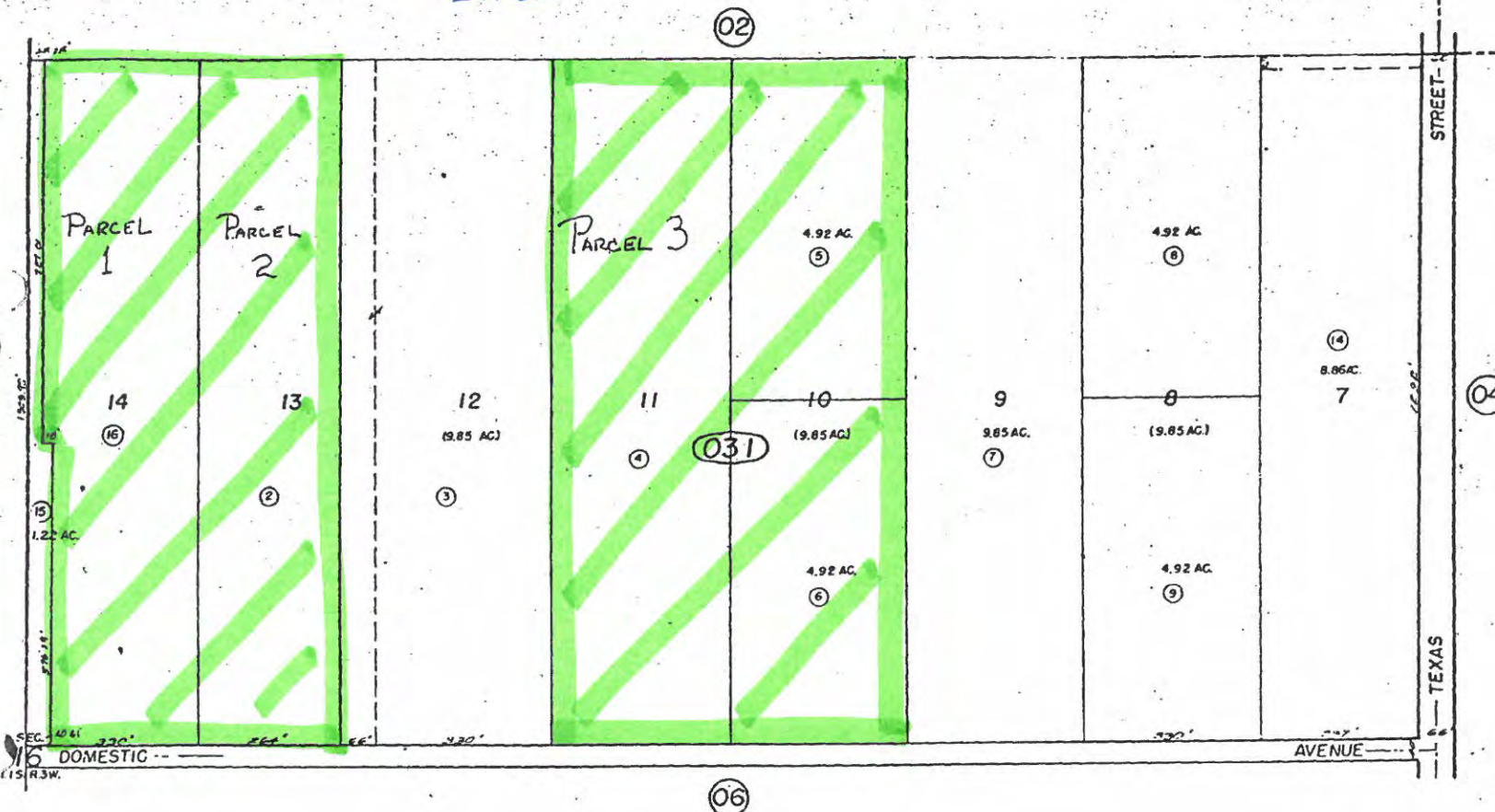
Por. Davenport's Subdivision
M.B. 13/42

Redlands City
Tax Rate Area
5001

167-03

PROJECT
SITE

292
07



THIS IS NOT A SURVEY OF THE LAND, BUT IS COMPILED FOR INFORMATION ONLY,
HOW IS IT A PART OF THE REPORT OR POLICY TO WHICH IT MAY BE ATTACHED.

Note- Assessor's Blk. & Lot
Numbers Shown in Circles

Assessor's Map
Book 167 Page 03
San Bernardino County

REVISED
5-19-67
9/16/81

Project Site

210

84

210

Bluff Ave

Buckeye St

Ave

Ave

Pioneer Ave

W. Pioneer Ave

Domestic Ave

Citrus Valley High School

Crystal Springs Ln

Cattlegate Ln

Deodar St

Baldwin Ave

Ohio St

Dreks

And

Israel Beal Park

W. Riverv



RESTRICTED MATERIALS PERMIT: 36-18-3600205

Operator:ROSSMORE ENTERPRISES

~~605 E. MAIN ST., STE 7~~ 415 E. Hyman Ave.
ASPEN, CO 81611 Ste. 401

3600205-2018-Version: 1

County District #:SB

Issued on:12/21/2017

Valid as of:1/1/2018

Expires on:12/31/2018

Agent:SIRIANNI, PHIL

~~605 E. MAIN ST., STE 7~~ 415 E. Hyman Ave.
ASPEN CO 81611 Ste. 401

Primary Phone: (970) 429-8253

Alternate Phone:

Mobile Phone:

Fax:

Phone:(909)794-2276

License #:101049

Expiration:12/31/2018

Certified Applicator: HILLS, CHARLES (CHUCK)

P. O. BOX 275

MENTONE, CA 92359

Type of Use:Agricultural Use

Pesticide Possession:Pest Control Business Only

Permit Duration:Seasonal

Employees Handle Pesticides

Notices Of Intent required 24 hours prior to application of pesticide containing restricted materials

Permit Conditions:AG USE SITES, ALTERNATE MEAS, PCO APPLIC., CLOSED MIXING, EMPLOYEE TRAIN, FIELD WORKERS, HERBICIDE REQ., BEE PROTECTION,

See condition detail for code descriptions.

Regulatory Notes:

PRESENCE OF PESTS. LARRY JACINTO FARMING TO APPLY RESTRICTED PESTICIDES.

I understand that this permit does not relieve me from liability for any damages to any persons or property caused by the use of these pesticides. I waive any claims of liability for damages against the County Department of Agriculture based on the issuance of this permit. I further understand that this permit may be revoked when pesticides are used in conflict with the manufacturer's labeling or in violation of applicable laws, regulations, and specific conditions of this permit. I authorize inspection at all reasonable times and whenever an emergency exists by the Department of Pesticide Regulation or the County Department of Agriculture of all areas treated or to be treated, storage facilities for pesticides or emptied containers and equipment used or to be used in the treatment. I have considered alternative and mitigation measures pursuant to Title 3, California Code of Regulations, section 6426. Taking into account economic, environmental, social, and technological factors, I have adopted those that are feasible and would substantially lessen any significant adverse impact on the environment.

[Form PR-ENF-125 (Rev 11/06) Pesticide Enforcement Branch]

Applicant:

(Name & Title)

Philp Sirianni, President

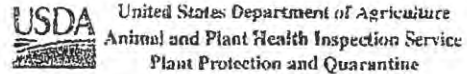
Applicant Signature:

Date:

1/4/18

Issuing Officer:

Date:



COOPERATIVE ASIAN CITRUS PSYLLID QUARANTINE PROGRAM
COMPLIANCE AGREEMENT

San Bernardino County Agricultural Commissioner / CDFA / USDA

[Pursuant to California Food and Agriculture Codes 5701-5705, California Code of Regulations 3435 and the Federal Domestic Quarantine Order: Citrus Greening Disease and Asian Citrus Psyllid] and Master Permits QC1386 and QC1464

***Required Field**

San Bernardino County Agricultural Commissioner's Office
Street Address: 777 E. Rialto Ave
San Bernardino, CA 92415
Phone: (909) 387 - 2115
Fax: (909) 387 - 2449
Contact: _____

Compliance Agreement Number: 36-CITRUS-0189

*Establishment Name:	WBBS Ranch			
*Owner / Manager Name:	Philip Sirianni/Rossmore Enterprises			
*Mailing Address:	415 E. Hyman Ave., Suite 401	*City:	Aspen	*Zip: 81611
*Physical Address:	Domestic, Buckeye, 210 Frwy	*City:	Redlands	*Zip: 92374
*Phone:	(970) 429 - 8253	*E-Mail:	phil@rossmoreproperty.com	
Cross Street:		Lat/Long:		

Program:

The San Bernardino County Agricultural Commissioner, the California Department of Food and Agriculture (CDFA), and the United States Department of Agriculture (USDA), cooperating as the **Asian Citrus Psyllid** Quarantine Program.

Business/Establishment:

Establishment Name (subsequently referred to as "Establishment"):

* WBBS Ranch

Background:

The pest known as Asian citrus psyllid (ACP) presents a real and ongoing threat to the agricultural industry, environment and economy of the State of California. Movement of regulated articles and commodities is a recognized channel for the spread of ACP from established areas to new locations. The ACP Quarantine Program is a cooperative effort between public entities that are responsible for mitigating the movement of ACP from regulated areas where the pest is established to new locations. The list of regulated articles and commodities can be found here: <http://phpps.cdfa.ca.gov/PE/InteriorExclusion/pdf/acpexhibit.pdf>

AGREEMENT:

- A. The Asian Citrus Psyllid Quarantine Program, hereafter referred to as the Program, will permit your establishment to self-execute the Asian Citrus Psyllid quarantine requirements attached as exhibits checked below, inclusive and incorporated into this agreement by reference as if fully set out. The exhibits checked below are binding:

Check all that apply.

<input checked="" type="checkbox"/>	Exhibit ACP Citrus-G	Grower / Grove Manager
<input type="checkbox"/>	Exhibit ACP Citrus-PH	Citrus Packer / Citrus Juicer/ Citrus Processor
<input type="checkbox"/>	Exhibit ACP Citrus-T	Transporter / Hauler – Citrus Fruit
<input type="checkbox"/>	Exhibit 1386-G	Grower / Grove Manager – Mandarins with Stems and Leaves
<input type="checkbox"/>	Exhibit 1386-PH	Packer / Processor – Mandarins with Stems and Leaves
<input type="checkbox"/>	Exhibit 1386-T	Transporter / Hauler – Mandarins with Stems and Leaves
<input type="checkbox"/>	Exhibit X1	Program Management Practices for Aerial Spray Treatments
<input checked="" type="checkbox"/>	Exhibit X2	Program Management Practices for Ground Spray and Drench Treatments
<input checked="" type="checkbox"/>	Exhibit X3	Program Management Practices for Hazardous Materials Spills

- B. In exchange for the Program's promise contained in sub-paragraph "A" above, the Establishment agrees to abide by the following rules and regulations:
1. Handle, process, and/or move regulated articles in accordance with the Asian Citrus Psyllid quarantine requirements;
 2. Follow the Program's instructions regarding the use of all permits and certificates;
 3. Maintain and make such records, as the Program requires, accessible for inspection upon reasonable notice by the Program Officer. These records shall be maintained for a period of the later of 3 years or the resolution of any outstanding claims.
- C. This agreement becomes effective on signing and shall remain in effect until canceled by either party on 30 days notice to the other at the address of either appearing above. However, the Program may accelerate the notice to immediate for cause, including but not limited to the Establishment's abandonment of the procedures outlined in the attached Exhibit(s).
- D. Establishment assumes liability, if any, arising from the manner in which Establishment sells, handles or distributes any regulated host material.

NOTICE: Any signatory or employee of any signatory who violates the terms of this Compliance Agreement may be subject to civil penalties pursuant to California Food and Agricultural Code Section 5705.

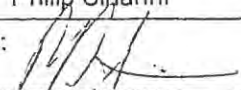
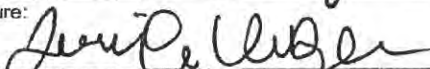
Signed in the County of <u>San Bernardino</u> in the State of California on * <u>3</u> / <u>12</u> / <u>2018</u>	
Establishment Manager/Owner	Program Officer
*Print Name: Philip Sirjanni	Print Name: Jennifer VanDyke
*Signature: 	Signature: 



EXHIBIT: ACP CITRUS – G GROWER / GROVE MANAGER

PROVISIONS FOR THE INTRASTATE MOVEMENT OF BULK CITRUS FRUIT FROM OR WITHIN AN ASIAN CITRUS PSYLLID STATE BULK CITRUS REGIONAL QUARANTINE ZONE

To Be Used in Conjunction with QC Permit 1464

Establishment agrees to the following:

1. Transporting Citrus Fruit to a Receiver

If the receiver is located within the same ACP bulk citrus regional quarantine zone, operate under (1)(a). If the receiver is located in Bulk Citrus Regional Quarantine Zone 1 or is located within a different bulk citrus regional quarantine zone from which the fruit is grown, (1)(b) and either (1)(c) or (1)(d) must be completed prior to movement:

a. Citrus Fruit Grown and Packed Within The Same Bulk Citrus Regional Quarantine Zone

Citrus fruit grown and packed within the same quarantine zone may move from the grower to the packer/processor if contained in a fully enclosed vehicle or completely covered by solid or mesh tarp in transit, and under the terms of a compliance agreement with the Program.

b. ACP-Free Declaration Form

For each citrus grove to be harvested, complete and submit the "ACP-Free Declaration" form to the local County Agricultural Commissioner at least 72 hours in advance of harvest to ensure the shipment is free of ACP. Each shipment must be accompanied by an "ACP-Free Declaration" form. The "ACP-Free Declaration" form is available online at:

<https://www.cdfa.ca.gov/plant/pdfs/acp/ACPFreeDeclarationForm.pdf>

c. QC Permit 1464 – "Field Cleaned" Option: Fruit must be field cleaned and be practically free from all stems and leaves, and all of the following must be completed.

i. Notify the County Agricultural Commissioner of the receiving county at least 24 hours prior to transport of any shipment. Notification shall include all of the following information:

- Receiver: name and complete physical destination address
- Date of shipment(s) and estimated date/time of arrival
- Weight or amount of shipment(s) (# of trucks, # of bins of fruit, etc.)

d. QC Permit 1464 – "Treatment" Option: Fruit may be transported under the treatment option if all of the following are completed.

i. Grove or fruit must be treated with a CDFA agreed upon, pre-harvest or post-harvest product effective against psyllids.

<http://phpps.cdfa.ca.gov/PE/InteriorExclusion/pdf/acpgrowerinformation.pdf>

ii. Notify the County Agricultural Commissioner of the receiving county at least 24 hours prior to transport of any shipment. Notification shall include all of the following information:

- Receiver: name and complete physical destination address
- Date of shipment(s) and estimated date/time of arrival
- Weight or amount of shipment(s) (# of trucks, # of bins of fruit, etc.)

iii. Each shipment must be accompanied by an "ACP-Free Declaration" form.

2. Establishments Under Compliance

a. Ensure the fruit is hauled/transported in a fully enclosed vehicle or completely covered by solid or mesh tarp and in accordance with the terms listed in Compliance Agreement Exhibit "ACP Citrus-T", regardless of origin or destination, by haulers/transporters under compliance with the Program.

b. Ensure fruit is delivered to and handled by packers/processors under compliance with the Program.

Establishments operating under compliance can be verified online at:

https://www.cdfa.ca.gov/plant/acp/req_establishments.html

3. Harvesting Equipment

Harvesting equipment (including containers, barrels, bins, etc.) used for harvesting and hauling/transporting citrus or other ACP host fruit must be free of leaf and stem debris prior to leaving the bulk citrus regional quarantine zone.

4. Green Waste Disposal

All green waste, including leaf and stem debris, must be disposed of in accordance with the Program, local County Agricultural Commissioner, under QC Master Permit 1289 or other Program approved manner.

5. Trapping and Inspection

The Establishment shall allow agricultural officials to inspect the premises to ensure compliance with this agreement and to place and service traps for the detection of ACP.

6. Records

Maintain records for a minimum period of two years of all ACP host shipments to processors/packinghouses and green waste shipments leaving the premises. The Establishment shall make such records available to Program officials immediately upon request.

7. Training

Ensure all employees receive training to be compliant with all specifications of the compliance agreement and this exhibit.

8. Information Posting


The Establishment shall regularly verify current regional quarantine zones. The most up to date information may be viewed at: <https://www.cdfa.ca.gov/plant/acp/regulation.html>. The Establishment shall also display informative posters and associated ACP information in a conspicuous location if supplied by the Program.

9. Violation

Violation of any terms of the compliance agreement or this exhibit shall result in the suspension of the compliance agreement until an investigation is completed and for a minimum period of two weeks.

SPECIAL INSTRUCTIONS:

Philip Sirianni
Printed name (Owner/Manager)


Signature of Establishment

3/12/18
Date

Failure to comply with any stipulation outlined above may result in civil penalties pursuant to California Food and Agricultural Code Section 5705 and/or revocation of this Agreement.

**California Asian Citrus Psyllid Program
Exhibit – X2
Program Management Practices for
Ground Spray and Drench Treatments**

Program Management Practices

The following management practices (MPs) will be implemented when conducting ground spray or drench treatments.

- 1. Conduct a site Assessment**
 - Verify site to be treated.
 - Take note of site conditions, such as soil texture, slope, water bodies, host plants, irrigation, and storm drains.
 - Identify and make plans to avoid streamside management areas and surface water.
- 2. Properly clean and calibrate all equipment to apply chemicals uniformly and in the correct quantities**
 - Calibrate spray equipment per label instructions.
 - Perform equipment screening tests and tank sampling when appropriate.
 - Use dedicated specific equipment for specific products when appropriate.
 - Ensure equipment is cleaned properly per the manufacturer's specifications and pesticide label directions.
 - Select the appropriate nozzle to ensure proper coverage.
 - Maintain an equipment log to track calibration, cleaning, and repairs.
 - Conduct visual inspections of equipment before use. Check all equipment for leaking hoses, connections, and nozzles.
 - Monitor the operation of nozzles during the application.
 - Discontinue use immediately if equipment malfunctions or fails to pass screening tests.
- 3. Follow appropriate ground-rig foliar treatment procedures**
 - Avoid direct applications to water bodies.
 - Maintain a 30-foot buffer around water bodies per National Pollutant Discharge Elimination System (NPDES) permit.
 - Use driplless nozzles or fan-type nozzles at low psi if available.
 - When using a blower boom, direct the blower boom to the precise angle needed to treat host plants.
 - Ensure the spray boom is equipped with an electric on/off switch to treat the precise target areas where host plants occur.
 - Monitor wind conditions. Delay or do not apply foliar sprays if wind speeds are over 10 miles per hour.
 - Perform ground-rig foliar treatments at low pressure, to reduce the quantity of fine droplet particles where applicable.
 - Allow only staff or private entities under contract to perform ground-rig spot treatments.
 - Check weather service prior to application. Delay foliar treatments if there is a 40% or higher chance of rain forecast to occur 24 hours before or after the planned application.
- 4. Follow pesticide application laws and regulations, and label directions**
 - Read pesticide label.
 - Ensure staff is trained to properly apply pesticide.
 - Be aware of any regulations or internal procedures before applications.
 - Use appropriate application methods and rates.
 - Mix and load chemicals in areas where spills can be contained. Limit mixing and loading in the field.
 - Provide annual safety training for all treatment personnel.

5. Follow appropriate low-pressure backpack treatment procedures

- Avoid direct applications to water bodies.
- Maintain a 30-foot buffer from water bodies per NPDES permit. Use dripless nozzles where applicable.
- Direct the nozzle at the target to minimize drift.
- Monitor wind conditions. Delay or do not apply foliar sprays if wind speeds are over 10 miles per hour.
- Allow only trained staff to perform backpack spot treatments.
- Monitor weather conditions. Delay foliar treatments if there is a 40% or higher chance of rain forecast to occur 24 hours.

6. Train personnel in proper use of pesticides

- Conduct training for personnel in the safe and proper mixing, loading, and application of pesticides, in compliance with both federal and State pesticide regulations and the product label.
- Require employees who supervise the handling and application of pesticides maintain a Qualified Applicator Certificate, issued by CDPR or have County License for Pesticide Regulation.

7. Enforce runoff and drift prevention

- Carefully monitor and evaluate weather conditions within potential treatment areas to determine the effectiveness of control applications immediately before deciding whether to proceed with a treatment and during the course of treatment.
 - Monitor weather conditions before and during applications.
 - Comply with NPDES Permit.

8. Clean equipment and dispose of rinse water per label directions

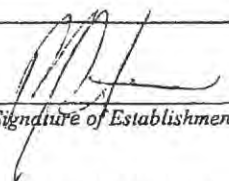
- Rinse equipment according to manufacturer's label instructions.
- Discharge rinse water only in areas that are part of the application site or at a certified waste treatment facility.
- Dispose of surplus chemical and containers according to label instructions.

9. Follow appropriate product storage procedures

- Ensure proper storage of all pesticides per label instructions.
- Ensure all pesticides removed from their original container are properly sealed for use within a service container.
- Seal all service containers within a tool box.
- Lock tool boxes when unattended.

Special Instructions: _____

Philip Sirianni
 Printed name (Owner/Manager)


 Signature of Establishment

3/12/18
 Date

Failure to comply with stipulations outlined above may result in civil penalties pursuant to California Food and Agricultural Code Section 5705 and/or revocation of this Agreement.

**California Asian Citrus Psyllid Program
Exhibit – X3
Program Management Practices for
Hazardous Materials Spills**

Program Management Practices

The following management practices (MPs) would be implemented to protect human health and the environment from accidental spills of pesticides during a spray or drench application.

1. Implement a Spill Contingency Plan

- Contain spill immediately to minimize the risk of further pesticide exposure to people, animals, and the environment.
- Be prepared to respond to pesticide spills.
- Provide clean-up of small spills (50 gallons or less) and properly dispose residual materials. For larger spills notify the Chemical Transportation Emergency Center at 800-424-9300.
- Use common sense in determining the appropriate action in the event of an accidental crash of a spray rig, tanker, or aircraft.
- Call an ambulance in the event of a spill involving severe personal injury.
- Remove anyone exposed to pesticides to a safe location. If applicable, remove their clothing and wash contaminated skin with soap and water.
- Do not move a seriously injured person unless it is absolutely essential because of the risk of further injury.
- Do not leave injured or incapacitated persons until proper medical assistance arrives.
- Provide a pesticide label and/or material safety data sheet for medical personnel.
- Call the fire department and notify department personnel of the presence of pesticides for a spill involving fire, if a fire hazard exists. Eliminate all sources of ignition (electric motors, gasoline engines, or smoking) to prevent fire or explosion.
- Contact the California Highway Patrol by calling 911 for a spill occurring on a highway.
- Call local police or the county sheriff for a spill occurring off-road.
- Stop the leak and contain the spill of a punctured tank.
- For minor spills of 50 gallons or less:
 - Wear rubber boots, coveralls, rubber gloves, and eye protection.
 - Confine the leak or spill to the smallest area possible by using natural terrain, soil, or absorbent material.
 - Shovel contaminated material into a leak-proof container.
 - Do not hose down the area.
 - Work carefully and safely; do not hurry.
 - Dispose contaminated material in the same manner as for excess pesticides or hazardous wastes.
- For major spills of 50 gallons or more:
 - Follow the steps listed for all above and include the additional number below.
 - If the spill is too big, or uncertainty exists as to the appropriate action, notify the Chemical Transportation Emergency Center at 800-424-9300.

2. Use a safety and cleanup materials checklist

- Follow a checklist for safety and cleanup materials to accompany mixing-loading vehicles during treatment activities, which should include the following:
 - For Safety: a first-aid kit; a fire extinguisher (516, type A-B-C), and goggles.
 - For Clean-up: one shovel, large heavy-duty plastic bags, rubber boots, disposable coveralls, water, rubber gloves, a broom and dust pan, liquid detergent, several bags of "kitty litter" or other absorbent materials.

3. Implement decontamination


- Decontaminate paved surfaces per site specific protocols.
- Shovel contaminated material into a leak-proof metal drum for final disposal.

4. Follow appropriate disposal procedures

- Dispose all materials that have been contaminated by spillage or exposed to large volumes of pesticides, including cloth, soil, and wood that cannot be decontaminated, in the same manner as done for excess pesticides.
- Store contaminated absorbent material and materials that cannot be decontaminated in a leak-proof container and dispose the container at a Class I landfill.

Special Instructions: _____

Philip Sirianni
Printed name (Owner/Manager)



Signature of Establishment

3/12/18
Date

Failure to comply with stipulations outlined above may result in civil penalties pursuant to California Food and Agricultural Code Section 5705 and/or revocation of this Agreement.

APPENDIX E

RESUMES

JONATHAN CAIN

MR. JONATHAN CAIN

Title: Senior Project Geologist

EDUCATION

BS, Geology, Radford University, Radford, Virginia

Mr. Cain has been in the field of Engineering Geology since 1984. As a project manager he has supervised field personnel and coordinated outside services for implementing geologic and geotechnical investigations for numerous new and/or forensic (distress) site evaluations. His projects have included geotechnical evaluations of hillside and flatland sites, landslide and fault evaluations along with evaluation of damages caused by consolidation or expansive soil conditions and moisture emissions through concrete slabs. Mr. Cain has also managed and conducted numerous environmental projects with special emphasis on Phase I Environmental Site Assessments and Phase II Soil and Groundwater Assessments for vacant, residential and commercial properties.

SELECT PROJECT EXPERIENCE

Environmental Investigations

- Phase I and Limited Phase II investigation, March 2012, KB Homes, Hollywood Beverly Christian Church, Hollywood
- Phase I and Phase II Investigation, January 2012, Meridian Land Development, Casa Blanca Ranch, Yucaipa
- Limited Phase II near-surface soil investigation, September 2011, Long Beach Unified School District, Newcomb Academy, Long Beach
- Limited Phase II near-surface soil investigation, September 2011, Long Beach Unified School District, Roosevelt Elementary School, Long Beach
- Phase I site assessment, July 2011, Castle & Cooke, Lake Elsinore Outlet Mall, Lake Elsinore
- Phase I site assessment, November 2010, Carlsbad Volvo Dealership, Carlsbad
- Phase I site assessment, August 2010; TRS Consultants, Shadow Run Project, Pauma Valley
- Phase I site assessment and report preparation, August 2010; Ryland Homes, Alberhill Ranch Project, City of Lake Elsinore
- Phase I site assessment and report preparation, August 2010; KB Home, Paradiso Project, Indio
- Phase I site assessment, July 2010; Meritage Homes, Rancho 23 Project, Rancho Cucamonga
- Limited Phase II site assessment, July 2010; TRS Consultants, Brisa Del Mar Project, Bonsall

Forensic Distress Investigations

- Big Rock Mesa Landslide, Malibu
- Via Allegre Landslide, San Clemente
- Leighton Street Landslide, Oahu, Hawaii
- Temple Hills Landslide, Laguna Beach
- Crown Cove Landslide, Laguna Beach
- Avenida de Santiago Landslide, Anaheim Hills

JONATHAN CAIN

Public Agency

- Ocean Beach Bikeway Extension, City of San Diego, San Diego

Educational Facility

- Extensive Fault Investigations, Mt. San Jacinto College Community College District, Menifee

Entertainment/Hospitality

- Design of Soldier-Pile Retaining Wall for Proposed Casino/Resort/Hotel, Jamul Band of Indians, Jamul

Transportation

- Geotechnical Investigation, Mariposa Avenue Bridge and Corrine Way Bridge, Tract 22100, KB Home Costal, Inc., Mockingbird Canyon Area, Riverside County
- Geotechnical Investigation, Nordahl Road Bridge, City of Escondido, San Diego County
- Ocean Beach Bikeway Extension, City of San Diego, San Diego County

Mass Grading

- Sweetwater Ranch Development, Classic Pacific Homes, French Valley Area, Riverside County
- Centex Hemet Development, Centex Homes, City of Hemet, Riverside County
- Bridle Creek Development, William Lyon Homes, Inc., Mockingbird Canyon Area, Riverside County
- Alicante Development, KB Home Costal, Inc., Mockingbird Canyon Area, Riverside County
- Nandina Limited Edition Estate Homes, Flatiron Land Company, Inc., Mockingbird Canyon Area, Riverside County
- Artisan San Jacinto, Artisan Communities, City of San Jacinto, Riverside County

Residential

- Geotechnical Investigation, Approximately 9.5-Acre Site, Darling Development Group, Mockingbird Canyon Area, Riverside County
- Geotechnical Investigation, Approximately 45.6-Acre Site, Pelican Homes, Cajalco Road, Lake Mathews Area, Riverside County
- Geotechnical Investigation, Approximately 40.5-Acre Site, Vista Ranch Development LLC, Woodcrest Area, Riverside County
- Geotechnical Investigation, Proposed Borrow Area Adjacent Tract 31118, Classic Pacific Homes, French Valley Area, Riverside County California
- Geotechnical Investigation, Gavalin Hills, Baker & Baker, Lake Mathews Area, Riverside County

SIAMAK JAFROUDI

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

APPENDIX F

LABORATORY TEST RESULTS AND CHAIN OF CUSTODY

Enviro – Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: October 22, 2018

Mr. Jon Cain
Petra Geotechnical, Inc.
40880 Country Center Drive
Temecula, CA 92591
Tel(951)600-9271 E-Mail: JCain@petra-inc.com

Project: **18-345**
Lab I.D.: **181016-18 through -80**

Dear Mr. Cain:

The **analytical results** for the soil and water samples, received by our laboratory on October 16, 2018, are attached. The samples were received intact, and accompanying chain of custody.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,



Curtis Desilets
Vice President/Program Manager



Andy Wang
Laboratory Manager

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
 40880 Country Center Drive
 Temecula, CA 92591
 Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS

METHOD: EPA 8015B

UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
HA-2@0.5'	181016-68	ND	ND	ND	1
HA-3@0.5'	181016-71	ND	195 *	97.7	1
HA-4@0.5'	181016-74	ND	ND	ND	1
HA-5@0.5'	181016-77	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS

C4-C10 = GASOLINE RANGE

C11-C22 = DIESEL RANGE

C23-C35 = MOTOR OIL RANGE

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

Data Reviewed and Approved by: 

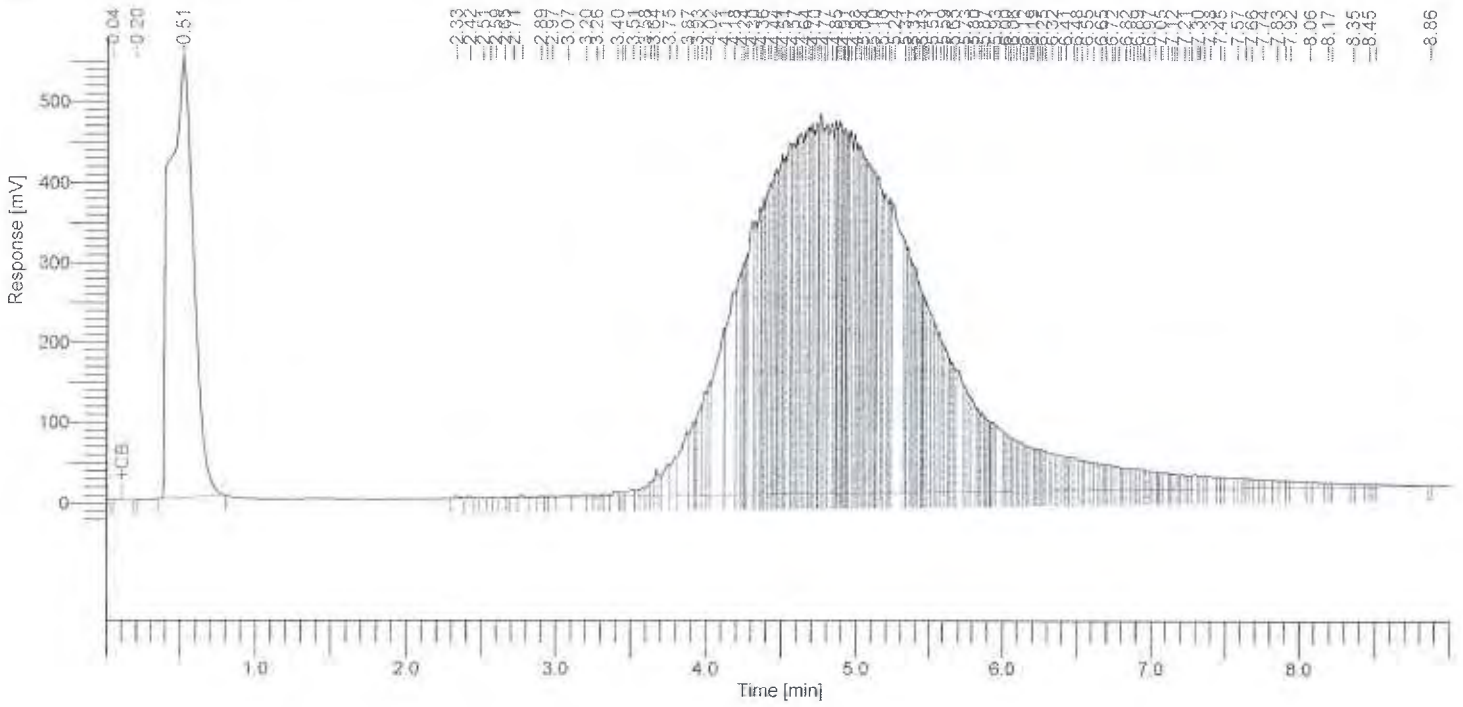
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.2.0646
Sample Name : 181016-71 20/2
Instrument Name : GC-1
Rack/Vial : 0/22
Sample Amount : 1.000000
Cycle : 31

HA-3A0.51

Date : 10/18/2018 4:43:45 PM
Data Acquisition Time : 10/17/2018 7:04:07 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-1\2018\1810\181017\A031.rst
Sequence File : E:\GC DATA\GC-1\2018\1810\181017\181017.seq



8015 Results

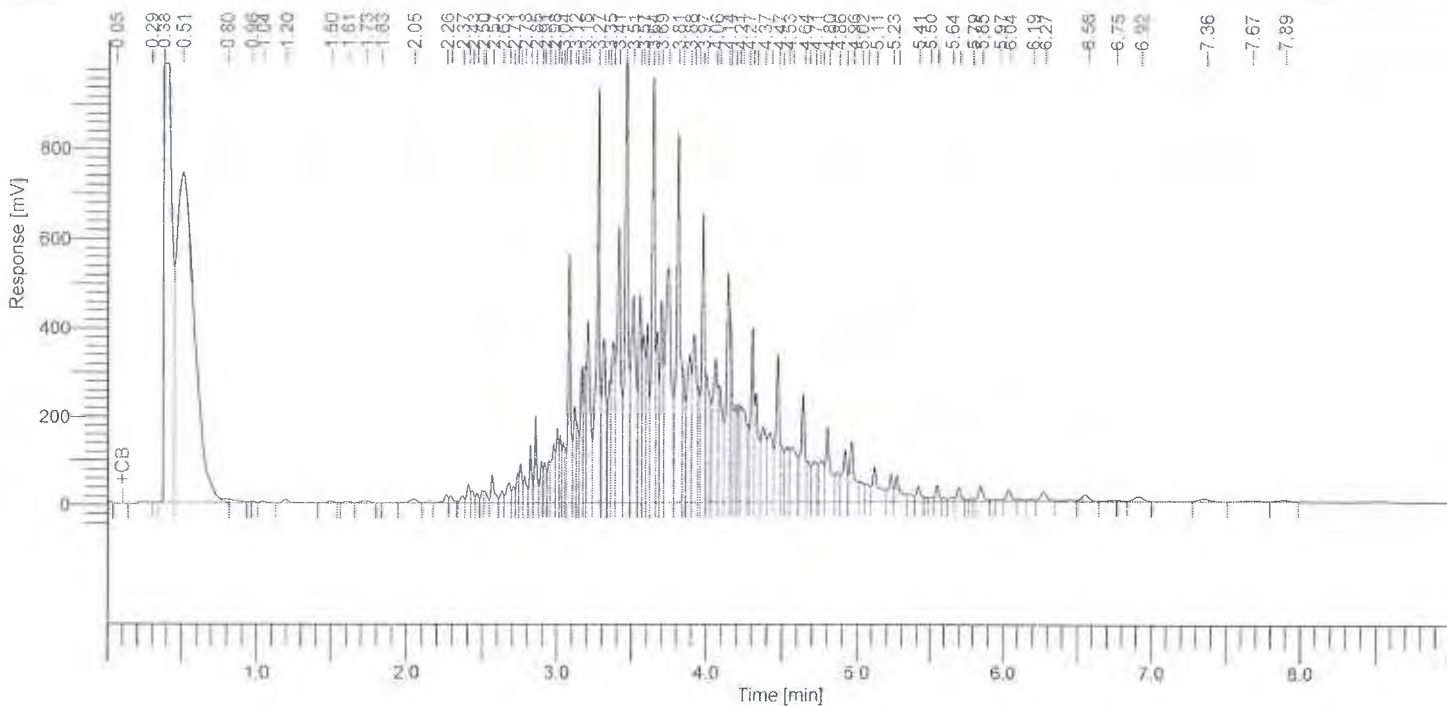
Component Name	Area [uV*sec]	Adjusted Amount
C4-C10	28167	565.2
C10-C28	36832406	1945.6
C28-C35	3374132	976.6
	40234705	2357.0

Software Version : 6.3.2.0646
 Sample Name : DIESEL CCV 2000PPM (GC-3634)
 Instrument Name : GC1
 Rack/Vial : 0/3
 Sample Amount : 1.000000
 Cycle : 5

DIESEL STANDARD

Date : 10/18/2018 4:43:36 PM
 Data Acquisition Time : 10/17/2018 1:07:12 PM
 Channel : A
 Operator : Administrator
 Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-IN2018\1810\181017\A005.rst
 Sequence File : E:\GC DATA\GC-IN2018\1810\181017\181017.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4-C10	1145709	-415.3
C10-C28	31512848	
C28-C35	409120	254.9
	33067677	-160.4

Warning -- Signal level out-of-range in peak

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/17/2018

Units: mg/Kg (ppm)

Matrix: Soil/Solid/Sludge/Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **181017-LCS1/2**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	200	216	108%	226	113%	5%	75-125	0-20%

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	233	117%	75-125

Analyzed and Reviewed By:  _____

Final Reviewer:  _____

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
 40880 Country Center Drive
 Temecula, CA 92591
 Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HA-1@0.5'** LAB I.D.: 181016-18

Organochlorine Pesticides Analysis


Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2
alpha-BHC	ND	0.001	2
beta-BHC	ND	0.001	2
gamma-BHC (Lindane)	ND	0.001	2
delta-BHC	ND	0.001	2
alpha-Chlordane	ND	0.001	2
gamma-Chlordane	ND	0.001	2
Total Chlordane (Technical)	ND	0.005	2
4,4'-DDD	ND	0.001	2
4,4'-DDE	0.011	0.001	2
4,4'-DDT	0.003	0.001	2
Dieldrin	ND	0.001	2
Endosulfan I	ND	0.001	2
Endosulfan II	ND	0.001	2
Endosulfan Sulfate	ND	0.001	2
Endrin	ND	0.001	2
Endrin Aldehyde	ND	0.001	2
Endrin Ketone	ND	0.001	2
Heptachlor Epoxide	ND	0.001	2
Heptachlor	ND	0.001	2
Methoxychlor	ND	0.001	2
Toxaphene	ND	0.020	2

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
40880 Country Center Drive
Temecula, CA 92591
Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345** DATE RECEIVED: 10/16/18
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 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/19/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-1@0.5'** LAB I.D.: 181016-21

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	20
alpha-BHC	ND	0.001	20
beta-BHC	ND	0.001	20
gamma-BHC (Lindane)	ND	0.001	20
delta-BHC	ND	0.001	20
alpha-Chlordane	ND	0.001	20
gamma-Chlordane	ND	0.001	20
Total Chlordane (Technical)	ND	0.005	20
4,4'-DDD	ND	0.001	20
4,4'-DDE	0.098	0.001	20
4,4'-DDT	0.044	0.001	20
Dieldrin	ND	0.001	20
Endosulfan I	ND	0.001	20
Endosulfan II	ND	0.001	20
Endosulfan Sulfate	ND	0.001	20
Endrin	ND	0.001	20
Endrin Aldehyde	ND	0.001	20
Endrin Ketone	ND	0.001	20
Heptachlor Epoxide	ND	0.001	20
Heptachlor	ND	0.001	20
Methoxychlor	ND	0.001	20
Toxaphene	ND	0.020	20

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
40880 Country Center Drive
Temecula, CA 92591
Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/18/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/19/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-1@0.5' Dup** LAB I.D.: 181016-22

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	ND	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	0.001	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

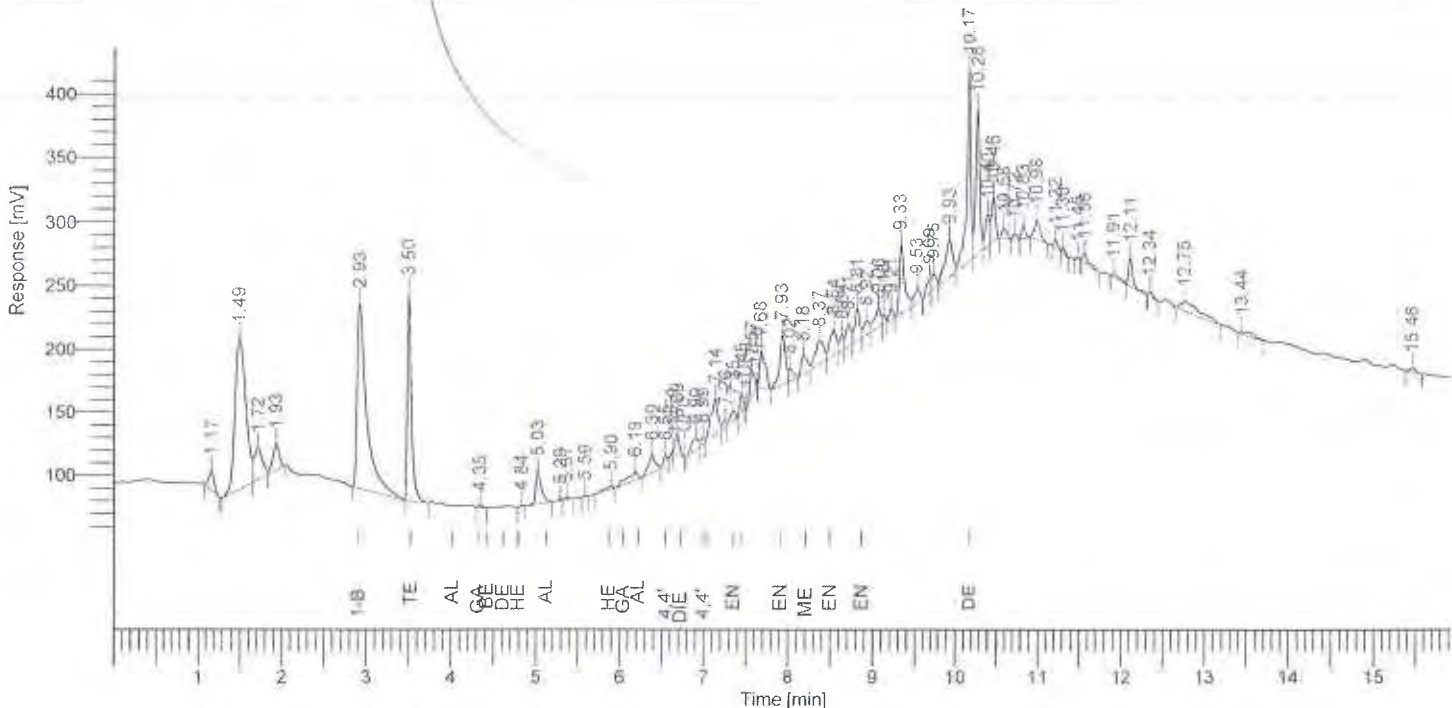
Software Version : 6.3.2.0646
 Sample Name : 181016-43 20/200
 Instrument Name : GC-E
 Rack/Vial : 0/25
 Sample Amount : 1.000000
 Cycle : 29

Date : 10/19/2018 10:19:19 AM
 Data Acquisition Time : 10/17/2018 6:46:17 PM
 Channel : A
 Operator : Administrator
 Dilution Factor : 1.000000

HP-8.05

Result File : E:\GC DATA\GC-E\02018\181016\181017\A029.rst
 Sequence File : E:\GC DATA\GC-E\02018\181016\181017\181017.seq

MATRIX INTERFERENCE



Results

Component Name	Time [min]	Area [uV*sec]	Height [uV]	Adjusted Amount
1-Bromo-2-Nitrobenze	2.93	1167757	147164	
Tetra chloro-meta-xy	3.50	538931	161943	66.9329
Gamma-BHC	4.35	6278	1492	0.0003
Heptachlor	4.84	2579	1012	0.0001
Aldrin	5.03	122489	26112	0.0061
Heptachlor Epoxide	5.90	19608	2928	0.0011
Alpha Chlordane	6.19	57936	6505	0.0036
4,4' DDE	6.55	16742	5572	0.0014
Dieldrin	6.69	52029	16225	0.0031
4,4' DDD	6.99	17314	5032	0.0015
Endosulfan II	7.35	37417	8215	0.0024
4,4' DDT	7.45	41781	14615	0.0034
Endrin Aldhyde	7.93	188968	39368	0.0141
Melthoxychlor	8.18	69148	14356	0.0093
Endosulfan Sulfate	8.54	113805	19720	0.0078
Endrin Ketone	8.81	100192	24754	0.0061
Decachlorobiphenyl	10.17	564941	147311	94.2670
		3117914	642323	161.2604

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591

Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345

DATE RECEIVED: 10/16/18

MATRIX: SOIL

DATE EXTRACTED: 10/17/18

SAMPLING DATE: 10/16/18

DATE ANALYZED: 10/17/18

REPORT TO: MR. JON CAIN

DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-2@0.5'

LAB I.D.: 181016-25

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, Toxaphene.

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

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 Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345 DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-3@0.5'** LAB I.D.: 181016-28

Organochlorine Pesticides Analysis


Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2
alpha-BHC	ND	0.001	2
beta-BHC	ND	0.001	2
gamma-BHC (Lindane)	ND	0.001	2
delta-BHC	ND	0.001	2
alpha-Chlordane	ND	0.001	2
gamma-Chlordane	ND	0.001	2
Total Chlordane (Technical)	ND	0.005	2
4,4'-DDD	ND	0.001	2
4,4'-DDE	0.004	0.001	2
4,4'-DDT	ND	0.001	2
Dieldrin	ND	0.001	2
Endosulfan I	ND	0.001	2
Endosulfan II	ND	0.001	2
Endosulfan Sulfate	ND	0.001	2
Endrin	ND	0.001	2
Endrin Aldehyde	ND	0.001	2
Endrin Ketone	ND	0.001	2
Heptachlor Epoxide	ND	0.001	2
Heptachlor	ND	0.001	2
Methoxychlor	ND	0.001	2
Toxaphene	ND	0.020	2

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: 18-345 DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-4@0.5' LAB I.D.: 181016-31

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, gamma-BHC, etc., with their respective results and limits.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
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PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-5@0.5'** LAB I.D.: 181016-34

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	2
alpha-BHC	ND	0.001	2
beta-BHC	ND	0.001	2
gamma-BHC (Lindane)	ND	0.001	2
delta-BHC	ND	0.001	2
alpha-Chlordane	ND	0.001	2
gamma-Chlordane	ND	0.001	2
Total Chlordane (Technical)	ND	0.005	2
4,4'-DDD	ND	0.001	2
4,4'-DDE	0.006	0.001	2
4,4'-DDT	0.007	0.001	2
Dieldrin	ND	0.001	2
Endosulfan I	ND	0.001	2
Endosulfan II	ND	0.001	2
Endosulfan Sulfate	ND	0.001	2
Endrin	ND	0.001	2
Endrin Aldehyde	ND	0.001	2
Endrin Ketone	ND	0.001	2
Heptachlor Epoxide	ND	0.001	2
Heptachlor	ND	0.001	2
Methoxychlor	ND	0.001	2
Toxaphene	ND	0.020	2

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: 18-345 DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-6@0.5' LAB I.D.: 181016-37

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, and Toxaphene.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]
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PROJECT: **18-345** DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-7@0.5'

LAB I.D.: 181016-40

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	50
alpha-BHC	ND	0.001	50
beta-BHC	ND	0.001	50
gamma-BHC (Lindane)	ND	0.001	50
delta-BHC	ND	0.001	50
alpha-Chlordane	ND	0.001	50
gamma-Chlordane	ND	0.001	50
Total Chlordane (Technical)	ND	0.005	50
4,4'-DDD	ND	0.001	50
4,4'-DDE	0.240	0.001	50
4,4'-DDT	ND	0.001	50
Dieldrin	ND	0.001	50
Endosulfan I	ND	0.001	50
Endosulfan II	ND	0.001	50
Endosulfan Sulfate	ND	0.001	50
Endrin	ND	0.001	50
Endrin Aldehyde	ND	0.001	50
Endrin Ketone	ND	0.001	50
Heptachlor Epoxide	ND	0.001	50
Heptachlor	ND	0.001	50
Methoxychlor	ND	0.001	50
Toxaphene	ND	0.020	50

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

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PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-8@0.5'** LAB I.D.: 181016-43

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	100*
alpha-BHC	ND	0.001	100*
beta-BHC	ND	0.001	100*
gamma-BHC (Lindane)	ND	0.001	100*
delta-BHC	ND	0.001	100*
alpha-Chlordane	ND	0.001	100*
gamma-Chlordane	ND	0.001	100*
Total Chlordane (Technical)	ND	0.005	100*
4,4'-DDD	ND	0.001	100*
4,4'-DDE	ND	0.001	100*
4,4'-DDT	ND	0.001	100*
Dieldrin	ND	0.001	100*
Endosulfan I	ND	0.001	100*
Endosulfan II	ND	0.001	100*
Endosulfan Sulfate	ND	0.001	100*
Endrin	ND	0.001	100*
Endrin Aldehyde	ND	0.001	100*
Endrin Ketone	ND	0.001	100*
Heptachlor Epoxide	ND	0.001	100*
Heptachlor	ND	0.001	100*
Methoxychlor	ND	0.001	100*
Toxaphene	ND	0.020	100*

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

* = ACTUAL DETECTION LIMIT RAISED DUE TO MATRIX INTERFERENCE

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

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PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/17/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/18/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-9@0.5'** LAB I.D.: 181016-46

Organochlorine Pesticides Analysis

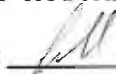
Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.037	0.001	10
4,4'-DDT	ND	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

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PROJECT: **18-345**

DATE RECEIVED: 10/16/18

MATRIX: SOIL

DATE EXTRACTED: 10/17/18

SAMPLING DATE: 10/16/18

DATE ANALYZED: 10/17/18

REPORT TO: MR. JON CAIN

DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-10@0.5'**

LAB I.D.: 181016-49

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	10
alpha-BHC	ND	0.001	10
beta-BHC	ND	0.001	10
gamma-BHC (Lindane)	ND	0.001	10
delta-BHC	ND	0.001	10
alpha-Chlordane	ND	0.001	10
gamma-Chlordane	ND	0.001	10
Total Chlordane (Technical)	ND	0.005	10
4,4'-DDD	ND	0.001	10
4,4'-DDE	0.038	0.001	10
4,4'-DDT	ND	0.001	10
Dieldrin	ND	0.001	10
Endosulfan I	ND	0.001	10
Endosulfan II	ND	0.001	10
Endosulfan Sulfate	ND	0.001	10
Endrin	ND	0.001	10
Endrin Aldehyde	ND	0.001	10
Endrin Ketone	ND	0.001	10
Heptachlor Epoxide	ND	0.001	10
Heptachlor	ND	0.001	10
Methoxychlor	ND	0.001	10
Toxaphene	ND	0.020	10

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: 18-345 DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-11@0.5' LAB I.D.: 181016-52

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, and Toxaphene.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: Petra Geotechnical
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PROJECT: 18-345 DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/18/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/19/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-13@0.5' LAB I.D.: 181016-58

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	1
alpha-BHC	ND	0.001	1
beta-BHC	ND	0.001	1
gamma-BHC (Lindane)	ND	0.001	1
delta-BHC	ND	0.001	1
alpha-Chlordane	ND	0.001	1
gamma-Chlordane	ND	0.001	1
Total Chlordane (Technical)	ND	0.005	1
4,4'-DDD	ND	0.001	1
4,4'-DDE	0.005	0.001	1
4,4'-DDT	ND	0.001	1
Dieldrin	ND	0.001	1
Endosulfan I	ND	0.001	1
Endosulfan II	ND	0.001	1
Endosulfan Sulfate	ND	0.001	1
Endrin	ND	0.001	1
Endrin Aldehyde	ND	0.001	1
Endrin Ketone	ND	0.001	1
Heptachlor Epoxide	ND	0.001	1
Heptachlor	ND	0.001	1
Methoxychlor	ND	0.001	1
Toxaphene	ND	0.020	1

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

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PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: SOIL DATE EXTRACTED: 10/18/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/19/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP-13@0.5' Dupe** LAB I.D.: 181016-59

Organochlorine Pesticides Analysis


Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.001	20
alpha-BHC	ND	0.001	20
beta-BHC	ND	0.001	20
gamma-BHC (Lindane)	ND	0.001	20
delta-BHC	ND	0.001	20
alpha-Chlordane	ND	0.001	20
gamma-Chlordane	ND	0.001	20
Total Chlordane (Technical)	ND	0.005	20
4,4'-DDD	ND	0.001	20
4,4'-DDE	0.106	0.001	20
4,4'-DDT	0.051	0.001	20
Dieldrin	ND	0.001	20
Endosulfan I	ND	0.001	20
Endosulfan II	ND	0.001	20
Endosulfan Sulfate	ND	0.001	20
Endrin	ND	0.001	20
Endrin Aldehyde	ND	0.001	20
Endrin Ketone	ND	0.001	20
Heptachlor Epoxide	ND	0.001	20
Heptachlor	ND	0.001	20
Methoxychlor	ND	0.001	20
Toxaphene	ND	0.020	20

COMMENTS:

DF = DILUTION FACTOR
 PQL = PRACTICAL QUANTITATION LIMIT
 ACTUAL DETECTION LIMIT = PQL X DF
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 
 CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591

Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345

DATE RECEIVED: 10/16/18

MATRIX: SOIL

DATE EXTRACTED: 10/17/18

SAMPLING DATE: 10/16/18

DATE ANALYZED: 10/17/18

REPORT TO: MR. JON CAIN

DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-14@0.5'

LAB I.D.: 181016-62

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, and Toxaphene.

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]

CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591
Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345 DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

SAMPLE I.D.: HP-15@0.5' LAB I.D.: 181016-65

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, Toxaphene.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)**
 Unit: **mg/Kg (ppm)**

Date Analyzed: 10/18-19/2018

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 181018-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00459	92%	0.00469	94%	2%	0-20%	70-130
Aldrin	0.000	0.00500	0.00425	85%	0.00439	88%	3%	0-20%	70-130
4,4-DDE	0.000	0.00500	0.00429	86%	0.00383	77%	11%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00447	89%	75-125
Aldrin	0.00500	0.00418	84%	75-125
4,4-DDE	0.00500	0.00424	85%	75-125
Dieldrin	0.00500	0.00420	84%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	181016-21	181016-22	181016-58	181016-59			
Tetra-chloro-meta-xylene	50-150	90%	102%	99%	98%	105%			
Decachlorobiphenyl	50-150	112%	123%	122%	130%	125%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
Tetra-chloro-meta-xylene	50-150								
Decachlorobiphenyl	50-150								

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
Tetra-chloro-meta-xylene	50-150								
Decachlorobiphenyl	50-150								

S.R. = Sample Result

* = Surrogate fail due to matrix interference (If Marked)

spk conc = Spike Concentration

Note: LCS, MS, MSD are in control therefore results are in control.

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591
Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345 DATE RECEIVED: 10/16/18
MATRIX: SOIL DATE EXTRACTED: 10/17/18
SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/17/18
REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

METHOD BLANK FOR LAB I.D.: 181016-18, -25,
-28, -31, -34, -37, -40, -43, -46, -49, -52, -55, -62, -65

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, Toxaphene.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro - Chem, Inc.

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LABORATORY REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591
Tel(951)600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345 DATE RECEIVED:10/16/18
MATRIX:SOIL DATE EXTRACTED:10/17/18
SAMPLING DATE:10/16/18 DATE ANALYZED:10/17/18
REPORT TO:MR. JON CAIN DATE REPORTED:10/22/18

SAMPLE I.D.: HP2@0.5' LAB I.D.: 181016-25

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

Table with 4 columns: PARAMETER, SAMPLE RESULT, PQL, DF. Rows include 2,4,5-T, 2,4,5-TP (Silvex), 2,4-D, 2,4-DB, Dalapon (Dichloroacetic Acid), Dicamba, Dichloroprop, Dinoseb (DNBP), MCPA, and MCPP.

COMMENTS:

DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: [Signature]
CAL-DHS ELAP CERTIFICATE No.: 1555

LABORATORY REPORT

CUSTOMER: **Petra Geotechnical**
40880 Country Center Drive
Temecula, CA 92591

Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345**

DATE RECEIVED: 10/16/18

MATRIX: SOIL

DATE EXTRACTED: 10/17/18

SAMPLING DATE: 10/16/18

DATE ANALYZED: 10/17/18

REPORT TO: MR. JON CAIN

DATE REPORTED: 10/22/18

SAMPLE I.D.: **HP15@0.5'**

LAB I.D.: 181016-65

Chlorinated Herbicides Analysis

Method: EPA 8151A

Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	DF
<u>2,4,5-T</u>	ND	0.020	1
<u>2,4,5-TP (Silvex)</u>	ND	0.020	1
<u>2,4-D</u>	ND	0.200	1
<u>2,4-DB</u>	ND	0.200	1
<u>Dalapon (Dichloroacetic Acid)</u>	ND	0.500	1
<u>Dicamba</u>	ND	0.020	1
<u>Dichloroprop</u>	ND	0.200	1
<u>Dinoseb (DNBP)</u>	ND	0.100	1
<u>MCPA</u>	ND	20.0	1
<u>MCPP</u>	ND	20.0	1

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = PQL X DF

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC Report Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid**
 Unit: **mg/Kg (PPM)**

Date Analyzed: **10/17/2018**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 181016-25 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.0500	0.0589	118%	0.0614	123%	4%	0-20%	50-150

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.0500	0.0474	95%	70-130
2,4,5-TP	0.0500	0.0594	119%	70-130
DINOSEB	0.2500	0.2903	116%	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	181016-25	181016-65					
DCAA	50-150	75%	66%	63%					

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = Surrogate fail due to matrix interference (If Marked)

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: 

Final Reviewer: 

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Petra Geotechnical
40880 Country Center Drive
Temecula, CA 92591

Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: 18-345

DATE RECEIVED: 10/16/18

MATRIX: WATER

DATE EXTRACTED: 10/16/18

SAMPLING DATE: 10/16/18

DATE ANALYZED: 10/19/18

REPORT TO: MR. JON CAIN

DATE REPORTED: 10/22/18

SAMPLE I.D.: Rinsate HP-15@3.0'

LAB I.D.: 181016-80

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: ug/L = Microgram per Liter = PPB

Table with 5 columns: PARAMETER, SAMPLE RESULT, PQL, and DF. Lists various pesticides like Aldrin, alpha-BHC, beta-BHC, gamma-BHC (Lindane), delta-BHC, alpha-Chlordane, gamma-Chlordane, Total Chlordane (Technical), 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Dieldrin, Endosulfan I, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Endrin Ketone, Heptachlor Epoxide, Heptachlor, Methoxychlor, and Toxaphene.

COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:

CAL-DHS CERTIFICATE # 1555

Handwritten signature

METHOD BLANK REPORT

CUSTOMER: **Petra Geotechnical**
40880 Country Center Drive
Temecula, CA 92591
Tel (951) 600-9271 E-Mail: JCain@petra-inc.com

PROJECT: **18-345** DATE RECEIVED: 10/16/18
 MATRIX: WATER DATE EXTRACTED: 10/16/18
 SAMPLING DATE: 10/16/18 DATE ANALYZED: 10/19/18
 REPORT TO: MR. JON CAIN DATE REPORTED: 10/22/18

METHOD BLANK FOR LAB I.D.: 181016-80

Organochlorine Pesticides Analysis

Method: EPA 8081A

Unit: ug/L = Microgram per Liter = PPB

PARAMETER	SAMPLE RESULT	PQL	DF
Aldrin	ND	0.100	1
alpha-BHC	ND	0.100	1
beta-BHC	ND	0.100	1
gamma-BHC (Lindane)	ND	0.100	1
delta-BHC	ND	0.100	1
alpha-Chlordane	ND	0.100	1
gamma-Chlordane	ND	0.100	1
Total Chlordane (Technical)	ND	0.500	1
4,4'-DDD	ND	0.100	1
4,4'-DDE	ND	0.100	1
4,4'-DDT	ND	0.100	1
Dieldrin	ND	0.100	1
Endosulfan I	ND	0.100	1
Endosulfan II	ND	0.100	1
Endosulfan Sulfate	ND	0.100	1
Endrin	ND	0.100	1
Endrin Aldehyde	ND	0.100	1
Endrin Ketone	ND	0.100	1
Heptachlor Epoxide	ND	0.100	1
Heptachlor	ND	0.100	1
Methoxychlor	ND	0.100	1
Toxaphene	ND	2.00	1

COMMENTS

DF = Dilution Factor
 PQL = Practical Quantitation Limit
 Actual Detection Limit = PQL X DF
 ND = Non detected or below the Actual Detection Limit

Data Reviewed and Approved by:
 CAL-DHS CERTIFICATE # 1555



Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

EPA 608 (8081) QA/QC Report

Matrix: Water/Liquid
Unit: ug/L

Date Analyzed: 10/19/18

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 181019-LCS1/2

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0	0.500	0.397	79%	0.373	75%	6%	0-20%	70-130
Aldrin	0	0.500	0.371	74%	0.359	72%	3%	0-20%	70-130
4,4-DDE	0	0.500	0.395	79%	0.363	73%	8%	0-20%	70-130

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.500	0.389	78%	75-125
Aldrin	0.500	0.389	78%	75-125
4,4-DDE	0.500	0.391	78%	75-125
Dieldrin	0.500	0.376	75%	75-125

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		M-BLK	181018-35	181016-80					
Tetra-chloro-meta-xylene	50-150	79%	95%	119%					
Decachlorobipneyl	50-150	88%	81%	118%					

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.									
Tetra-chloro-meta-xylene									
Decachlorobipneyl									

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.						
Tetra-chloro-meta-xylene						
Decachlorobipneyl						

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: [Signature]

* = Surrogate fail due to matrix interference

Note: LCS, MS, MSD are in control therefore results are in control.

Final Reviewer: [Signature]

Enviro-Chem, Inc. Laboratories
 1214 E. Lexington Avenue,
 Pomona, CA 91766
 Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
 Same Day
 24 Hours
 48 Hours
 72 Hours
 1 Week (Standard)
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required										COMMENTS
								TPH	DCPS	BOB1A	Hex	8151A	Misc./PO#					
HP-9 @ 3.0'	181016-48	10/16/18	10:22	soil	1		ICE	X										
HP-10 @ 0.5'	-49		10:40	soil	1		↓											
HP-10 @ 1.5'	-50		10:41				↓											
HP-10 @ 3.0'	-51		10:42	↓			↓											
HP-11 @ 0.5'	-52	10/16/18	11:10	soil	1		ICE	X										
HP-11 @ 1.5'	-53		11:11	↓			↓											
HP-11 @ 3.0'	-54		11:12	↓			↓											
HP-12 @ 0.5'	-55	10/16/18	11:26	soil	1		ICE	X										
HP-12 @ 0.5'	-56		11:27	↓			↓											
HP-12 @ 3.0'	-57		11:28	↓			↓											
HP-13 @ 0.5'	-58	10/16/18	11:38	soil	1		ICE	X										
HP-13 @ 0.5'	-59		11:39	↓			↓											
HP-13 @ 1.5'	-60		11:40	↓			↓											
HP-13 @ 3.0'	-61		11:41	↓			↓											
HP-14 @ 0.5'	-62	10/16/18	11:55	soil			Ice	X										Dupe

Company Name: **Petra Geosciences Inc.**
 Address: **40880 County Center Dr.**
 City/State/Zip: **Tamenecula, CA, 92591**
 Tel: **(951) 600-9271**
 Fax/Email: **(951) 719-1499**
 Project Contact: **Jon Cain**
 Project Name/ID: **18-345**
 Sampler's Signature: *[Signature]*

Received by: *[Signature]*
 Date & Time: **10/16/18 11:51**
 Relinquished by:
 Relinquished by:
 Relinquished by:

Instructions for Sample Storage After Analysis:
 Dispose of Return to Client Store (30 Days)
 Other:

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Date: **10/16/2018**

Page **3** of **5**

