Appendix “H”

Phase I/II Environmental Site Assessment Update Report

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Jun 9, 2023

Adkison Engineering Inc. dba Adkan Engineers
6879 Airport Drive
Riverside CA 92504

Attention: Mitch Adkison

Subject: Phase I Environmental Site Assessment Update
Victoria Heights, Riverside, California

Dear Mr. Adkison:

Attached is one electronic copy of the Phase I Environmental Site Assessment Update report for the property comprised of approximately 95.9 acres of land located in Riverside County, California (the Subject Property).

The Subject Property consists of the following Assessor's Parcel Numbers (APNs):

- 270-160-005 (Amsbry, 28.6 Acres)
- 270-070-005 (Bosch, 21.1 Acres)
- 270-070-006 (Ferrari, 17.3 Acres)
- 270-070-007 (Ferrari, 28.9 Acres)

McAlister GeoScience appreciates the opportunity to provide this report. Please contact me should you have any questions.

Sincerely,

David McAlister

Phase I Environmental Site Assessment Update Report

Victoria Heights Development
Victoria Heights, Riverside, California

June 9, 2023

Prepared for:

Adkison Engineering Inc. dba Adkan Engineers
6879 Airport Drive
Riverside CA 92504

Prepared by:

McAlister GeoScience
235 E. Broadway, Suite 1040
Long Beach, California 90802

David McAlister

Executive Summary

McAlister GeoScience was retained by Adkison Engineering Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of four contiguous parcels of approximately 95.9 acres of land located in Riverside County, California (the Subject Property).

The Subject Property consists of undeveloped land with native grasses and dirt roads. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed.

The Subject Property lies south of Travertine Drive and Lily Lane, and approximately one-half mile north of Lake Mathews. The surrounding properties consist of residential properties to the north, agricultural land to the south, undeveloped and agricultural land to the east, and undeveloped land to the west.

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. A single structure is depicted in the eastern portion of the Subject Property. Orchards in the northwestern portion of the Subject Property appear to have been cleared in the 2009 aerial photograph. The structure is no longer depicted in the 2016 aerial photograph.

McAlister GeoScience has performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527. Any exceptions to, or deletions from, this practice are described in the *Limiting Factors, Project Limitations,* and *Data Gaps* sections of this report.

This assessment has not revealed evidence of a recognized environmental conditions (REC), controlled recognized environmental condition (CREC), historical recognized environmental condition (HREC), *de minimis* condition, or a Business Environmental Risk (BER) in connection with the Subject Property.

Based on the information gathered during the performance of this assessment, and the understanding of current regulatory guidelines and judgment, the following recommendation is presented for consideration:

- A Storm Water Pollution Prevention Plan (SWPPP) for the Subject Property should be prepared and implemented in accordance with applicable regulations prior to any grading activities;
- In the event of any future construction and/or excavation activities at the Subject Property, dust suppression may be necessary during construction activities; and
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping.

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1.0 Introduction

McAlister GeoScience was retained by Adkison Engineering Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of four contiguous parcels of approximately 95.9 acres of land located in Riverside County, California (the Subject Property).

The Phase I ESA work for this project was conducted pursuant to authorization of the scope of work, assumptions, and terms and conditions set forth in the McAlister GeoScience proposal dated May 17, 2023, and in accordance with the scope of work and limitations of the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, designation E1527-21.

The purpose of this Phase I ESA was to assess, to the extent feasible, *Recognized Environmental Conditions* in connection with the Subject Property. A *Recognized Environmental Conditions (REC)* is defined by the ASTM standard as the presence or likely presence of any hazardous substances or petroleum products in, on or at a property: 1) due to a release to the environment; 2) under conditions indicative of a release to the environment; or 3) under conditions that pose a material threat of a future release to the environment.

A *Controlled Recognized Environmental Conditions (CREC)* is defined by the ASTM standard as a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority [for example, 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, property use restrictions, activity and use limitations, institutional controls or engineering controls].

A *Historical Recognized Environmental Conditions (HREC)* is defined by the ASTM standard 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 authority, without subjecting the property to any required controls [for example, property use restrictions, activity and use limitations, institutional controls or engineering controls]):

A *de minimis* condition is defined by the ASTM standard as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* conditions are not recognized environmental conditions nor are they controlled recognized environmental conditions. However, please note that these *de minimis* conditions could become recognized environmental conditions if improperly handled or managed.

A *Business Environmental Risk (BER)* is defined by the ASTM standard as a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of the Subject Property, not necessarily related to those Environmental issues required to be investigated while conducting an ESA. Consideration of BER issues may involve addressing one or more non-scope considerations.

Figures depicting the Property and vicinity are found in the "Figures" section at the end of this report. Figure 1 is a site location map showing the location of the property. Figure 2 is a site plan showing additional detail and site features. Color copies of photographs taken during the site reconnaissance are found in Appendix A.

1.1 Limiting Factors

Limiting factors were not encountered during the course of this Phase I ESA.

1.2 Assumptions

For the purposes of this assessment, McAlister GeoScience has made the following assumptions:

- Information provided during any interview (written or oral) was accurate and correct;
- Database information reviewed was accurate and correct;
- Historical information reviewed was accurate and correct;
- Information reviewed at any governmental agency was accurate and correct;
- Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites are assumed based on contours depicted on the United States Geological Survey (USGS) Topographic Maps; and
- The property has been correctly and accurately identified by the client, client representatives, property contact, property owner, and/or property representatives.

1.3 Project Limitations

This assessment is limited to the standards set forth in 40 CFR Part 312. This assessment specifically excludes assessment of the following:

- Asbestos and asbestos-containing materials;
- Lead and lead-containing materials;
- Wind hazard areas;
- Radon;
- Indoor air quality;
- Wetlands;
- Regulatory compliance;
- Cultural and historic resources;
- Air emissions;
- Industrial hygiene;
- Health and safety;
- Ecological resources;
- Endangered species;
- Biological agents, Mold; and
- Noise.

There are other limitations on completeness of information for this assessment. They are provided and documented on a case-by-case basis throughout this document.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluation. The conclusions presented in this report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No subsurface exploratory drilling or sampling of any kind was done under the scope of this work. Unless specifically stated otherwise in the report, no chemical or physical analyses have been performed during the course of this ESA.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted. As applicable, McAlister GeoScience has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, McAlister GeoScience accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. McAlister GeoScience makes no warranty, express or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-21.

This Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. The assessment is not intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use and environmental liens. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or

circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.4 Professionals

This document has been prepared by an Environmental Professional as defined by the EPA, 40 CFR Part 312.10. All work performed for this assessment was performed by or under the direct supervision of an Environmental Professional.

1.5 Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. McAlister GeoScience did not identify any significant data gaps associated with the assessment.

2.0 Property Description

2.1 Property Location and Description

McAlister GeoScience was retained by Adkison Engineering Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of four contiguous parcels of approximately 95.9 acres of land located in Riverside County, California (the Subject Property).

The Subject Property consists of four contiguous parcels of approximately 95.9 acres of land located in Riverside County, California. The Subject Property at the time of the site reconnaissance was undeveloped land.

2.2 Site and Vicinity Characteristics

2.2.1 General Property Type and Use

The Subject Property consists of undeveloped land. According to the County of Riverside the Subject Property is not in a Zoning Overlay. The Subject Property is vacant land with native vegetation and is not occupied by any structures,

2.2.2 General Type and Use of Surrounding Areas

The Subject Property consists of undeveloped land with native grasses and dirt roads. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed.

2.2.3 Subject Property Size

The Subject Property is approximately 95.9 acres in size.

2.2.4 Number and Size of Buildings on Site

The Subject Property was undeveloped at the time of the site reconnaissance.

2.2.5 Construction Date

The subject Property was undeveloped at the time of the site reconnaissance.

2.2.6 Tenants

No tenants currently occupy the Subject Property.

2.2.7 Areas Assessed

The Subject Property was accessed as possible via pre-established pathways during the time of the site reconnaissance. Various vistas were used to inspect other areas of the property not accessible by the pathways noted above.

2.2.8 Topography

The surface of the Subject Property is approximately 1,371 feet above mean sea level. The Subject Property is relatively flat and sloping gently to the northwest.

2.2.9 Surface Water

Surface water was not present on the Subject Property at the time of the site reconnaissance.

2.2.10 Groundwater

Depth to First Groundwater:	Depth to groundwater is approximately 20 feet below ground surface using data collected from nearby groundwater monitoring reports.
Regional Flow Direction:	The regional groundwater flow direction is expected to be northwest using data obtained from EDR-Geocheck.
Information Sources:	State of California Water Resources Control Board (geotracker.waterboards.ca.gov) and EDR-Geocheck

2.2.11 Geologic Setting

The Subject Property is located in the Arlington Sub-basin of the hydrogeologic sub-area of the Upper Santa Ana River Basin. Specifically, the Subject Property is located in the Upper Santa Ana Valley within the floodplain of the Santa Ana River. The Santa Ana River is located approximately seven miles north of the Subject Property. The Upper Santa Ana Valley is bounded on the north and northeast by the San Gabriel and San Bernardino Mountains. The Upper Santa Ana Valley is characterized by thick alluvial deposits forming south of these mountain ranges (DWR, 1961).

According to the database report, soil in the vicinity of the Subject Property is comprised of, "Cajalco," a fine sandy loam exhibiting slow infiltration rates.

2.2.12 Potable Water Supply

Potable water was not supplied to the Subject Property at the time of the site reconnaissance.

2.2.13 Sanitary Sewer System

Sanitary Sewer was not supplied to the Subject Property at the time of the site reconnaissance.

3.0 Historic Use Information

The following is a list of historical site use information sources reviewed as part of this Assessment.

- Aerial Photographs: 1938 – 2012 Provided by EDR (Appendix B);
- Topographic Maps: 1901 – 1997 Provided by EDR (Appendix B);
- Sanborn Fire Insurance Maps: No Coverage Provided by EDR (Appendix B); and
- City Directories: 1921-2013 Provided by EDR (Appendix B).

3.1 Summary of Prior Uses – The Property

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. A single structure is depicted in the eastern portion of the Subject Property. Orchards in the northwestern portion of the Subject Property appear to have been cleared in the 2009 aerial photograph. The structure is no longer depicted in the 2016 aerial photograph.

3.2 Summary of Prior Uses – Adjacent and Surrounding Properties

3.2.1 Summary

Prior to the mid-1960s, the area surrounding the Subject Property was undeveloped becoming increasingly developed as orchards and associated agricultural structures in the late-1930s / early-1940s. The area surrounding the Subject Property appears as fully developed as orchards from the mid-1960s through the early-2000s when the surrounding area begins to be developed for residential purposes.

3.2.2 Aerial Photographs

The review of historic aerial photographs revealed that the surrounding properties were primarily undeveloped until the mid-1960s, when they were developed with orchards and associated agricultural buildings. By the 2000s, areas to the north and east are cleared in preparation for redevelopment. Grading activities continue until the first residential structures are depicted to the north in the 2020 aerial photograph.

3.2.3 Fire Insurance Maps

A search for historical aerial photographs, historical fire insurance maps and historical topographic maps depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). The EDR Report indicated that fire insurance map coverage for the vicinity of the Subject Property was not available. A copy of the search documentation letter is presented in Appendix B.

3.2.4 Topographic Maps

The review of historic topographic maps revealed the surrounding properties were not depicted until 1925 and no notable features or structures were identified. By 1943, the current surrounding roads the area is shaded indicating dense urbanization. The 1947, 1965, 1972, and 1981 topographic maps show the surrounding properties in a shaded region, representing dense urban development. The 2012 topographic maps do not depict any notable structures or features on the surrounding properties.

3.2.5 City Directories

A search for historical city directories depicting the Subject Property and vicinity was conducted by Environmental Data Resources, Inc. (EDR). The EDR Report indicated city directory coverage for the vicinity of the Subject Property was not available. A copy of the search documentation letter is presented in Appendix B.

3.3 Previous Environmental Reports

The following environmental reports were provided and review for the Subject Property:

Phase I/II Environmental Site Assessment by McAlister GeoScience, dated June 17, 2015

McAlister GeoScience performed a previous Phase I Environmental Site Assessment and following Phase II for Victoria Heights (the Subject Property) in June 2015. The subject site was larger than the current Subject Property boundaries and included areas to the north, south, east, and west, totaling approximately 350 acres of land across 15 parcels. At the time of the previous Phase I ESA, the Subject Property was primarily undeveloped. A single gated residence occupied the property and was inaccessible at the time of this report. Areas of unauthorized dumping of household debris were observed. Two water wells in the western portion of the property. Two ASTs were observed in the eastern portion of the property.

McAlister GeoScience performed a follow up Phase II on the project site. Soil samples were collected throughout the property, including near the debris piles and ASTs, and throughout the agricultural areas. The concentration of metals detected in the soil samples were within the range of natural occurring metals in California soils. Concentrations of pesticides in soil were detected. However, concentrations were below their respective screening limits. McAlister GeoScience issued the findings of the Phase I and Phase II ESAs in a singular report. McAlister GeoScience concluded no Recognized Environmental Conditions were present on the property. However, the following actions were recommended:

- A Storm Water Pollution Prevention Plan (SWPPP) for the Subject Property should be prepared and implemented in accordance with applicable regulations prior to any grading activities;
- In the event of any future construction and/or excavation activities at the Subject Property, dust suppression may be necessary during construction activities; and
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping.

Soil Sampling Report by McAlister GeoScience, dated October 9, 2018

McAlister GeoScience issued a Soil Sampling Report in October 2018. The project area contained the Subject Property and additional parcels to the north, south, east, and west. Following the 2015 McAlister report, the Riverside County Planning Department and the Riverside County Department of Environmental Health requested further sampling during the Environmental Impact Report (EIR) period in accordance with California Department of Toxic Substances Control (DTSC) *Interim Guidance for Sampling Agricultural Properties (Third Revision)* dated August 7, 2008.

A total of 115 samples were submitted for analysis of Organochloride Pesticides (OCPs) by EPA Method 8081. A total of 117 samples were submitted for analysis of arsenic by EPA Method 6010. The results indicate DDD was detected above its respective laboratory reporting limit in 64 of the samples. Concentrations of DDE were detected above its respective laboratory reporting limit in one sample. Concentrations of DDT was detected above its respective laboratory reporting limit in 34 samples. Dieldrin was detected above its respective laboratory reporting limit in three samples. All concentrations of detected OCPs were below their respective Environmental Screening Limits.

Arsenic was detected above its laboratory reporting limit in 19 of the samples. Concentrations of Arsenic were detected above the ESL, however; the reported arsenic values were below the naturally occurring level of arsenic in California soils, with the exception of three samples. Two of the samples were measured at the level of naturally arsenic, and one was measured above the level of naturally occurring arsenic. None of these three samples are located within the current Subject Property boundaries.

Given only one of the collected samples was above the level of naturally occurring arsenic in California soils, and the low concentrations of OCPs, McAlister GeoScience concluded the planed excavation and grading can be conducted without further investigation or remediation activities.

3.4 Other Sources of Information

3.4.1 California EPA, Department of Toxic Substances Control (Cal-EPA DTSC)

The online DTSC database, EnviroStor was reviewed. There are no sites listed within a 0.50-mile radius from the Subject Property.

3.4.2 California Regional Water Quality Control Board – (RWQCB)

The online RWQCB database, GeoTracker was reviewed. There are no sites listed within a 0.50-mile radius from the Subject Property.

3.4.3 California State NPMS

The online National Pipeline Mapping System (NPMS) for the immediate vicinity of the Subject Property was reviewed. No pipelines are within the immediate vicinity of the Subject Property.

3.4.4 State of California CalGEM

The online mapping system maintained by the State of California Geologic Energy Management Division (CalGEM) formerly the Department of Oil, Gas, and Geothermal Resources (DOGGR) for the immediate vicinity of the Subject Property was reviewed. No wells are within the immediate vicinity of the Subject Property.

3.4.5 SWRCB SMARTS

The State Water Resources Control Board maintains the Stormwater Multiple Application and Report Tracking System (SMARTS) database containing storm water monitoring, reporting, and enforcement data for industrial facilities and construction sites. The database was reviewed for records listing the Subject Property and other sites immediately adjacent to the Subject Property. No violations were noted for the Subject Property or adjacent sites.

3.4.6 South Coast AQMD FIND Database

The online South Coast Air Quality Management District (AQMD), Facility Information Detail (FIND) database was reviewed for the Subject Property. The Subject Property was not listed on the AQMD FIND database.

3.4.7 Riverside County Department of Public Works

An attempt was made to contact the Riverside County Department of Public Works for records, no response was received.

3.4.8 Riverside County Health Department of Public Health

An attempt was made to contact the Riverside County Health Department for records, no response was received.

3.4.9 Riverside County Fire Department – UST Division

An attempt was made to contact the Riverside County Fire Department – UST Division for records, no response was received.

3.4.10 Riverside County Fire Department – Hazardous Materials Division

An attempt was made to contact the Riverside County Fire Department – Hazardous Materials Division for records, no response was received.

3.4.11 City of Riverside Building Department

An attempt to review building department files was made; however, files were not available for review at the time the report was issued. If files become available that would change conclusions or recommendations of this report, an addendum will be issued at that time.

3.4.12 Local General Aviation Traffic

The air traffic reporting website, FlightAware.com was reviewed and the Subject Property is located in 6.25 miles southeast of Riverside Municipal Airport. Flights to and from this airport include aircraft burning "Low Lead" aviation gasoline containing tetraethyl lead. Based on the distance, the potential presence of tetraethyl lead at the Subject Property is not considered an environmental concern.

4.0 Historic Use Information

Interviews were conducted in accordance with Code of Federal Regulations (CFR) 40 CFR § 312.30 requiring the Environmental Professional conducting the Phase I ESA to take into account commonly known info, including that of the user of the report. Additionally, 40 CFR §§ 312.22(a)(2) and (a)(4), and 40 CFR §§ 312.28, 312.30, and 312.31, require reviewing knowledge of the buyer. Also included in the interview, in accordance with 40 CFR §§ 312.22(a)(3) and 312.29, interviews included consideration of the relationship of the purchase price to the fair market value as an indicator of RECs The summary of the various responses is summarized below and copies of the completed questionnaire is included in Appendix D.

4.1 Property Owner / Manager

An interview questionnaire was presented to Steve Waddell, the President of Ironclad Civil Services, Inc. A phone interview was completed and potential soil and/ or groundwater impacts were not identified for the Subject Property. Mr. Waddell, described past use of the property as, "Undeveloped Land."

5.0 Information from site reconnaissance

The following is a summary of observations made during the site reconnaissance.

5.1 Date of Reconnaissance

The site reconnaissance was conducted on June 1, 2023. At the time of the site reconnaissance, the weather was overcast and approximately 60 degrees Fahrenheit. There were no significant portions of the Subject Property that were inaccessible or excluded from this survey.

5.2 Activities/Processes Conducted at the Property

The Subject Property consists of undeveloped land with native plants and dirt roads. Photographs taken during the site reconnaissance are included in Appendix A.

5.3 Adjacent Property Uses

The areas immediately adjacent to the Subject Property are summarized below.

North: The Subject Property is bordered to the north by residential properties.

West: The Subject Property is bordered to the west by vacant land, formerly developed as citrus groves and some rural residential homes.

East: The Subject Property is bordered to the east by unimproved land with some rural residential homes and commercial nursery operations.

South: The Subject Property is bordered to the south by a holding pond managed by the Western Municipal Water District, a commercial nursery operation including green houses, former citrus orchards, and El Sobrante Road.

At the time of the site reconnaissance, none of the surrounding properties appear to pose a potential threat to the soil and/or groundwater at the Subject Property.

5.4 Potentially Hazardous Chemicals Observed or Known to be Present at the Subject Property

No hazardous chemicals were observed at the Subject Property during the site reconnaissance.

5.5 On-site Roads and Parking Areas

All roads on the Subject Property are unpaved dirt roads without storm water or airborne dust management measures in place. Photos are included in Appendix A.

5.6 Above Ground Tanks

No above ground storage tanks (AST) were observed at the Subject Property during the site reconnaissance.

5.7 Underground Tanks

There was no indication of underground storage tanks observed during the site reconnaissance.

5.8 Unusual or Noxious Odors

Unusual or noxious odors were not noticed during the site reconnaissance.

5.9 Pools of Liquid

Pools of liquid were not observed during the site reconnaissance.

5.10 Pits/Ponds/Lagoons – Exterior, On-site or Neighboring

Pits, ponds, and/or lagoons were not observed during the site reconnaissance.

5.11 Transformers or PCB-Suspect Hydraulic Systems

Polychlorinated biphenyls (PCBs) are a chemical component of many dielectric fluids, heat transfer fluids, hydraulic fluids, lubricating oils, paints, or coatings manufactured prior to July 2, 1979. Equipment that may potentially contain PCBs includes electrical equipment such as transformers or capacitors or hydraulically operated equipment, such as elevators, compaction equipment, or manufacturing equipment. The manufacture and distribution of PCBs was banned for use in 1979 by the United States Congress, which enacted the Toxic Substance and Control Act. In accordance with US Code of Federal Regulations the owner of a transformer or other PCB-containing equipment is responsible for equipment maintenance and remediation in the event of a leak or release.

No transformers or PCB-suspect hydraulic systems were observed on the Subject Property.

5.12 Stained Soil or Pavement

Stained soil or pavement was not observed during the site reconnaissance.

5.13 Stressed Vegetation

Stressed vegetation was not observed during the site reconnaissance.

5.14 Discharges to Drains, Ditches, or Streams

Storm water at the Subject Property will flow infiltrate directly into the soil.

5.15 Wells

Wells were not observed on the Subject Property.

5.16 Leach Fields/Septic Tanks/Cesspools

Leach fields, septic tanks, or cesspools were not observed during the site reconnaissance; however, it is expected that a septic system is associated with the former residential structure located in the central portion of the Subject Property.

5.17 Indication of Fill Sites or Dumping

Several areas of dumping were observed in the central portion of the Subject Property. The waste piles contained regular household debris. Indications of fill sites were not observed during the site reconnaissance.

5.18 Sumps/Pits/Floor Drains

Sumps, pits or floor drains were not observed during the site reconnaissance.

5.19 Buildings or Portions of Buildings

No buildings were observed during the site reconnaissance. For properties with a history of agriculture use, such as the Subject Property, many underground irrigation or drainage pipes may exist. Some pipes may be constructed of asbestos-containing material such as "Transite" brand asbestos concrete pipe.

6.0 Regulatory Agency Search/Agency File Review

6.1 Regulatory Agency Database Review

McAlister GeoScience retained Environmental Data Resources, Inc. (EDR) to provide federal, state, and local regulatory agency databases for sites, including the Subject Property, listed within the search distances described in the ASTM Standard Practice for Environmental Site Assessments E 1527-21. These databases provide lists of facilities that use, store or dispose of hazardous substances, as well as sites with known or suspected contaminated soil or groundwater.

The regulatory agency review consisted of acquisition and review of a regulatory agency database search report of regulatory agency files for sites of interest. Selection of sites considered to have a potential to impact the Subject Property was based on the location of a reported release site with respect to its distance from the Subject Property and the reported groundwater flow direction. Generally, reported release sites within one-fourth of a mile up-gradient, or one-eighth of a mile cross-gradient or down-gradient of the Subject Property are selected for follow-up file review. Sites listed in the database search report but not identified as a release site (for example, a site listed as a hazardous waste generator but not as having had a release) are not considered to have a potential to impact the soil and/or groundwater at the Subject Property.

The database search report is presented in Appendix C and includes a description of the electronic files searched and associated search distances. Refer to Appendix C for all databases searched by EDR.

6.1.1 Subject Property Database Listings

The Subject Property was not listed on the databases reviewed.

6.1.2 Surrounding Property Database Listings

The adjoining properties were not listed on the databases reviewed.

The nearby properties were listed on the following databases reviewed:

- K-Ranch-Lake Mathews, 14480 Blackburn Rd, approximately 683 feet northeast and down-gradient is listed on the SWEEPS UST, CA FID UST, NPDES, CIWQS, and CERS databases. Listed for containing an active gasoline UST. Based on no indications of spills or releases and the down-gradient location, this site is not considered a threat to the Subject Property; and

No other related releases likely to impact the subject property have been identified on the remaining listings in the surrounding area. As a result, these properties do not present a threat to groundwater and/or soil at the Subject Property.

7.0 Vapor Encroachment

7.1 Evaluation

McAlister GeoScience performed a Tier 1 vapor encroachment assessment at the Subject Property in accordance with ASTM Standard E 2600-08, *Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions*. The purpose of the vapor encroachment assessment is to evaluate the potential for migration of vapors into existing or planned structures on the Subject Property due to contaminated soil and/or groundwater on the property or within close proximity to the Subject Property.

The objective of a Tier 1 vapor encroachment assessment is to conduct an initial screen to determine if a potential vapor intrusion condition (pVIC) exists in connection with the Subject Property. When used as a screening tool, a Tier 1 vapor encroachment assessment uses non-numerical information designed to identify conditions and/or physical settings where a pVIC is unlikely to occur. The minimum information needed to conduct a Tier 1 screen includes:

- Existing / planned use of the Subject Property;
- Type of structures existing or planned for the Subject Property;
- Surrounding area description;
- Federal, state, local, and tribal government records on the Subject Property and surrounding areas;
- Historical records;
- General physical setting including soil type, geological, hydrological, hydrogeological, and topographical information;
- Significant natural or man-made conduits; and
- Specialized user knowledge;

A pVIC is defined as the potential for the presence or likely presence of any compound of concern (COC) in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater either on the property or within close proximity to the property at a concentration that presents or may present an unacceptable health risk to occupants. A pVIC exists when the screening defined by the vapor encroachment assessment indicates the potential for a Vapor Intrusion Condition but where there is insufficient data to ascertain the presence or likely presence of COC in the indoor air environment of existing or planned structures on a target property. A condition determined to be *de minimis* is not a pVIC.

A vapor intrusion condition (VIC) is defined as the presence or likely presence of a COC in the indoor air environment of existing or planned structures on a property caused by the release of vapor from contaminated soil or groundwater either on the property or within close proximity to the property at a concentration that presents or may present an unacceptable health risk to occupants.

7.2 Findings

There are no database listings or operations conducted at the Subject Property or surrounding properties considered an environmental concern; therefore, it is not likely to present a pVIC for the Subject Property.

7.3 Opinions

The release located on the Subject Property is considered an environmental concern; however, the constituents of concern are metals and therefore not likely to present a pVIC to the Subject Property.

7.4 Conclusions

There are no database listings of concern as a pVIC for the Subject Property.

8.0 Summary, Conclusion, and Recommendations

8.1 Summary

McAlister GeoScience was retained by Adkison Engineering Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of four contiguous parcels of approximately 95.9 acres of land located in Riverside County, California (the Subject Property).

The Subject Property consists of undeveloped land with native grasses and dirt roads. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed.

The Subject Property lies south of Travertine Drive and Lily Lane, and approximately one-half mile north of Lake Mathews. The surrounding properties consist of residential properties to the north, agricultural land to the south, undeveloped and agricultural land to the east, and undeveloped land to the west.

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. A single structure is depicted in the eastern portion of the Subject Property. Orchards in the northwestern portion of the Subject Property appear to have been cleared in the 2009 aerial photograph. The structure is no longer depicted in the 2016 aerial photograph.

8.2 Conclusion

McAlister GeoScience has performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527. Any exceptions to, or deletions from, this practice are described in the *Limiting Factors, Project Limitations,* and *Data Gaps* sections of this report.

This assessment has not revealed evidence of a recognized environmental conditions (REC), controlled recognized environmental condition (CREC), historical recognized environmental condition (HREC), a *de minimis* condition, or a Business Environmental Risk (BER) in connection with the Subject Property.

8.3 Recommendations

Based on the information gathered during the performance of this assessment, and the understanding of current regulatory guidelines and judgment, the following recommendation is presented for consideration:

- A Storm Water Pollution Prevention Plan (SWPPP) for the Subject Property should be prepared and implemented in accordance with applicable regulations prior to any grading activities;
- In the event of any future construction and/or excavation activities at the Subject Property, dust suppression may be necessary during construction activities; and
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping.

9.0 Signatures of Environmental Professionals

Mr. Joseph Landeros performed the Site reconnaissance, compiled report data, and wrote portions of the Phase I ESA report. Mr. David McAlister provided technical review. The signatures of Mr. Landeros and Mr. McAlister are included in this Section of the report.

Joseph Landeros
Staff Scientist

David C. McAlister
Environmental Professional

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

10.0 References

American Society for Testing and Materials (ASTM) 2021. Practice E 1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

California Department of Water Resources (DWR). *Planned Utilization of the Ground Water [sic] Basins of the Coastal Plain of Los Angeles County. CDWR Bulletin 104. Appendix A, Ground Water [sic] Geology.* 1961

City of Long Beach Methane Gas Mitigation and Oil Well App. https://www.arcgis.com/apps/webappviewer/index.html?id=18d6b7027f8f4e99b0173eed3886a9b0

Department of Water Resources (DWR). California's Groundwater. Bulletin No. 118. October 2003.

Environmental Data Resources, Inc,. *The EDR – Radius Map with GeoCheck®*, Inquiry No. 7339866, May 17, 2023.

Environmental Data Resources, Inc. *The EDR – City Directory Abstract,* Inquiry No. 7339866, May 17, 2023.

Environmental Data Resources, Inc. *Sanborn® Map Report,* Inquiry No. 7339866, May 17, 2023.

Environmental Data Resources, Inc. *The EDR – Aerial Photography Print Service*, Inquiry No. 7339866, May 17, 2023.

Environmental Data Resources, Inc. *The EDR –Historical Topographic Map Report (USGS Los Angeles CA 7.5 minute)*, Inquiry No. 7339866, May 17, 2023.

Flight Aware. *Flight Tracker / Flight Status*. flightaware.com

Google Earth - http://earth.google.com/

McAlister GeoScience *PhaseI/II Environmental Site Assessment Report* June 17, 2015

Riverside County Office of the Assessor - https://ca-riverside-acr.publicaccessnow.com/Home.aspx

State of California Department of Conservation, Geologic Energy Management Division (CalGEM). https://www.conservation.ca.gov/calgem

State of California Department of Toxic Substances Control , EnviroStor online Database – http://envirostor.dtsc.ca.gov/

State of California Water Resources Control Board, GeoTracker Online Database - http://geotracker.swrcb.ca.gov/

State of California Water Resources Control Board, Stormwater Multiple Application and Report Tracking System (SMARTS) Online Database - https://smarts.waterboards.ca.gov/smarts/faces/SwPublicUserMenu.xhtml

South Coast Air Quality Management District (AQMD), Facility Information Detail (FIND) online Database – www3.aqmd.gov/webappl/fim/prog/

Figures

SOURCE: *Google Earth*

N

TITLE: **Site Location Map**

LOCATION: **Victoria Heights**
Riverside County, California

McAlister GeoScience
235 E. Broadway, Suite 1040 Long Beach, CA 90802
562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
DRAFTED:	J. Landeros
PROJECT:	23-05010
DATE:	6/6/2023

FIGURE: **1**

SOURCE: *Google Earth*

Legend

Subject Property Boundaries

TITLE: **Site Plan**

LOCATION: **Victoria Heights**
Riverside County, California

McAlister GeoScience
235 E. Broadway, Suite 1040 Long Beach, CA 90802
562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
DRAFTED:	J. Landeros
PROJECT:	23-05010
DATE:	6/6/2023

FIGURE: **2**

Appendix A

Site Photographs

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 1 **Description:** The Subject Property consists of undeveloped land. **Orientation:** Facing north	

Photo: 2 **Description:** Dirt roads transect the property in several places. **Orientation:** Facing west	

McAlister GeoScience

235 E. Broadway, Suite 1040
Long Beach, California 90802

Victoria Heights
Riverside County, California

Photo: 3 **Description:** Household debris located in some portions of the property. **Orientation:** Facing south	

Photo: 4 **Description:** Pipe leading to the south adjoining municipal irrigation pond. **Orientation:** Facing west	

McAlister GeoScience

235 E. Broadway, Suite 1040
Long Beach, California 90802

Victoria Heights
Riverside County, California

Photo: 5 **Description:** Representative property photo **Orientation:** Facing west	

Photo: 6 **Description:** South adjoining municipal irrigation pond. **Orientation:** Facing north	

McAlister GeoScience

235 E. Broadway, Suite 1040
Long Beach, California 90802

Victoria Heights
Riverside County, California

Photo: 7 **Description:** South adjacent agricultural property. **Orientation:** Facing south.	

Photo: 8 **Description:** East adjacent residences in the distance. **Orientation:** Facing northeast	

McAlister GeoScience

235 E. Broadway, Suite 1040
Long Beach, California 90802

Appendix B

Historic Aerial Photographs, Topographic Maps, and Fire Insurance Maps

Victoria Heights Development

El Sobrante Road

Riverside, CA 92503

Inquiry Number: 7339866.5

May 17, 2023

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

05/17/23

Site Name:

Victoria Heights Development
El Sobrante Road
Riverside, CA 92503
EDR Inquiry # 7339866.5

Client Name:

McAlister GeoScience
235 E Broadway Ste 1040
Long Beach, CA 90802
Contact: Jorge Ramos

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:

Year	Scale	Details	Source
2020	1"=500'	Flight Year: 2020	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1994	1"=500'	Acquisition Date: June 01, 1994	USGS/DOQQ
1990	1"=500'	Flight Date: August 29, 1990	USDA
1985	1"=500'	Flight Date: September 13, 1985	USDA
1975	1"=500'	Flight Date: August 01, 1975	USGS
1967	1"=500'	Flight Date: May 15, 1967	USDA
1953	1"=500'	Flight Date: September 22, 1953	USDA
1949	1"=500'	Flight Date: May 06, 1949	USDA
1938	1"=500'	Flight Date: June 14, 1938	USDA
1931	1"=500'	Flight Date: September 18, 1931	FAIR

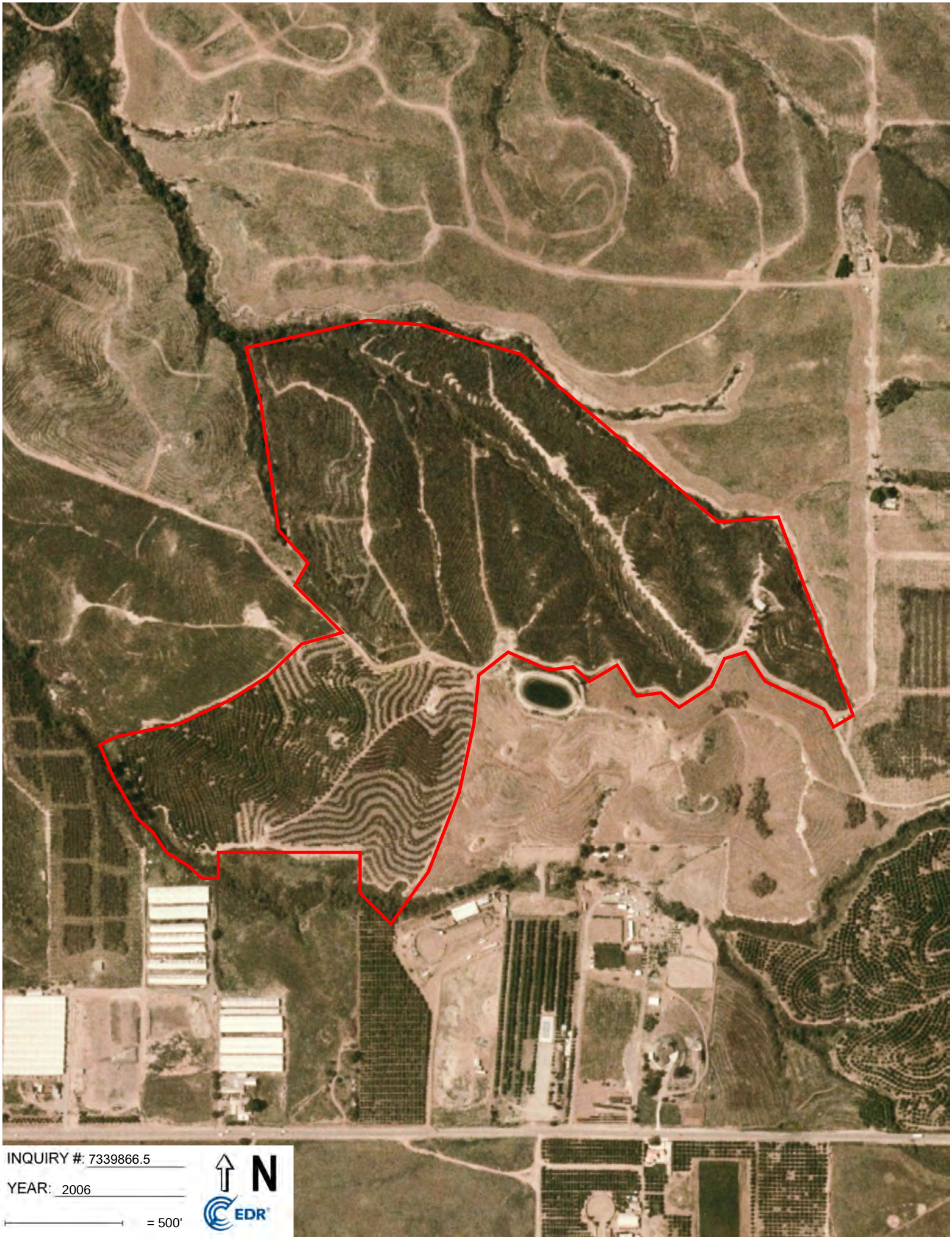
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7339866.5
YEAR: 2020
= 500'
N
EDR


INQUIRY #: 7339866.5
YEAR: 2016
= 500'
N
EDR


INQUIRY #: 7339866.5
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 7339866.5
YEAR: 2009
= 500'
N
EDR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YEAR: 2006
= 500'
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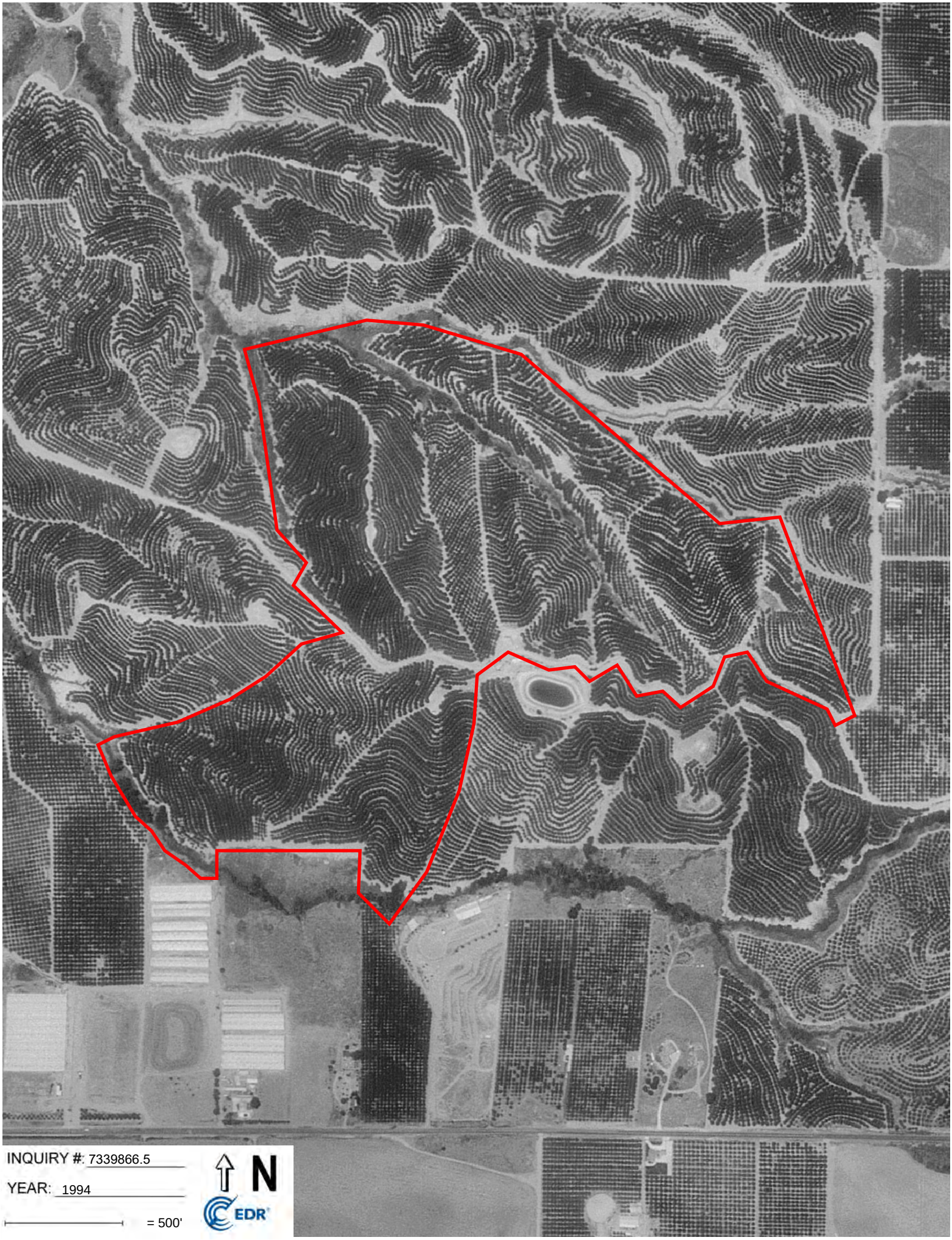
EDR


INQUIRY #: 7339866.5
YEAR: 2002
= 500'
N
EDR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YEAR: 1994
= 500'
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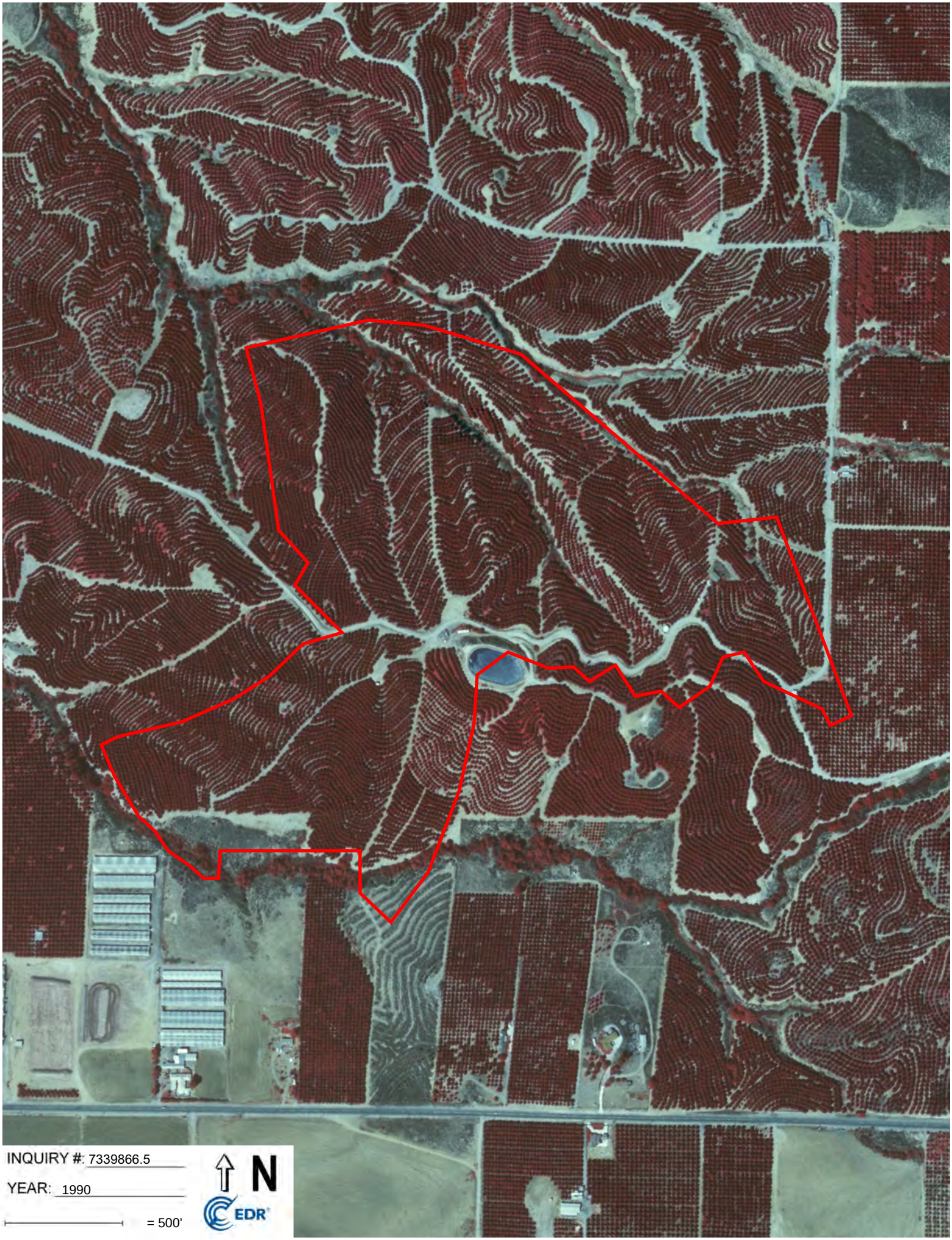
EDR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= 500'
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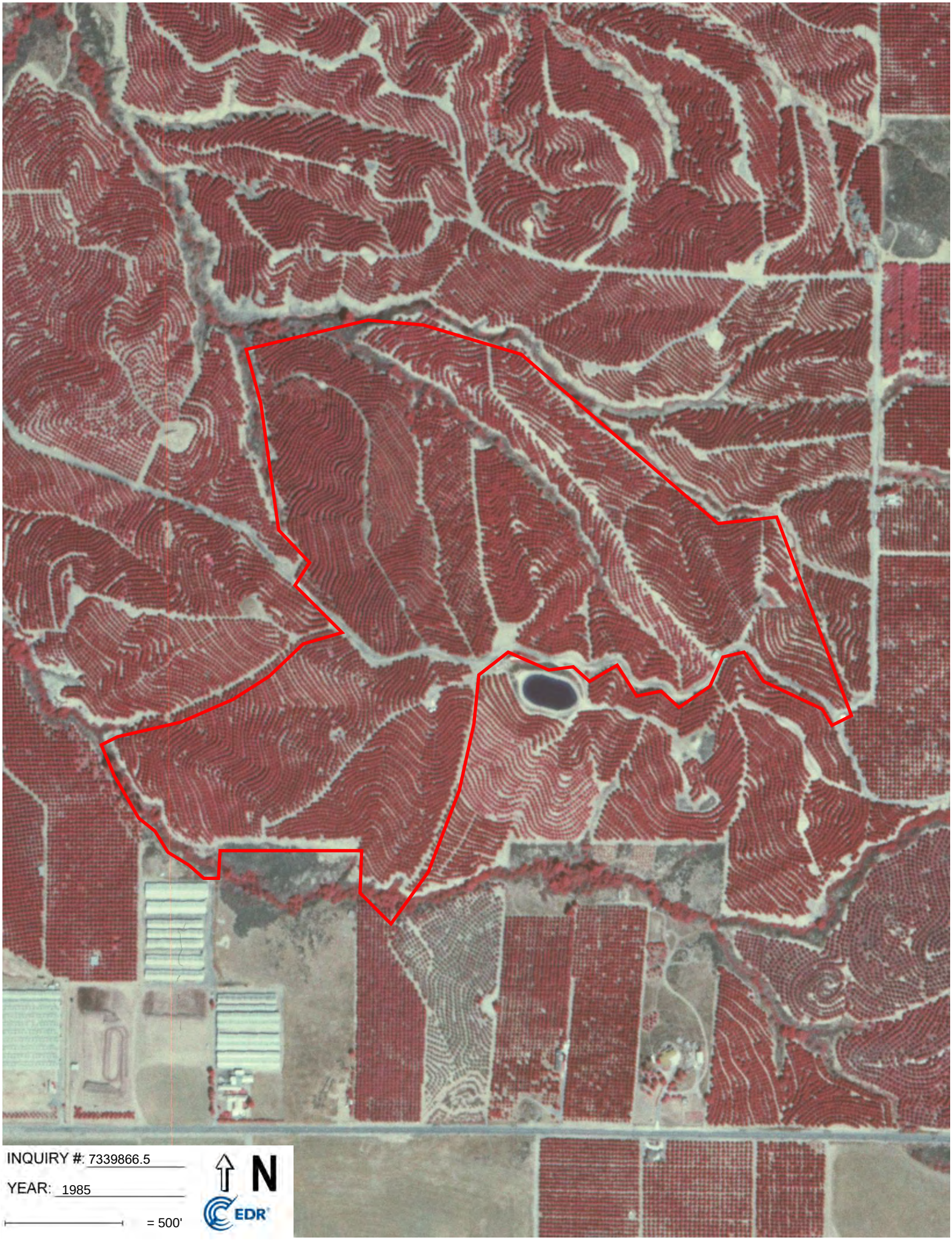
EDR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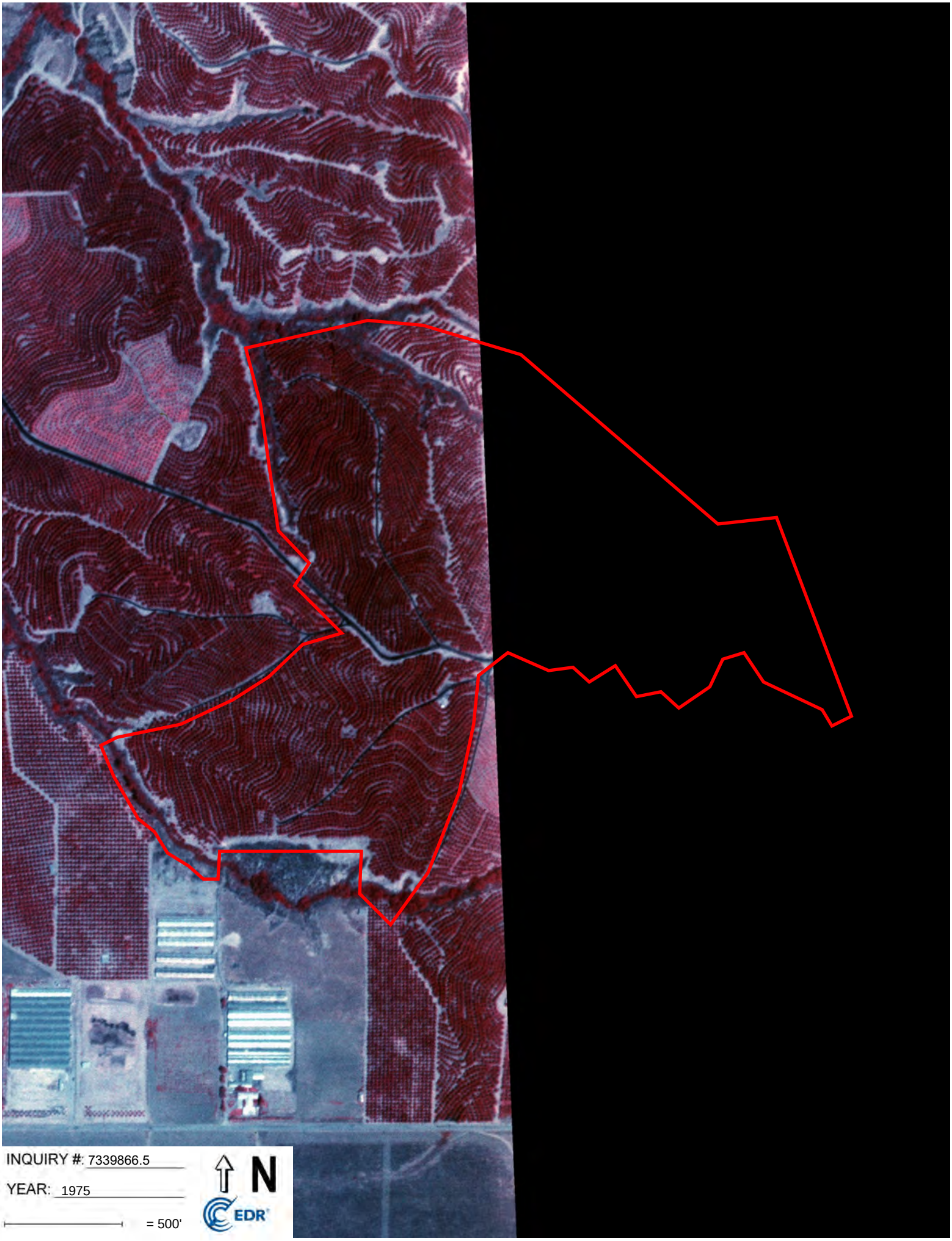
EDR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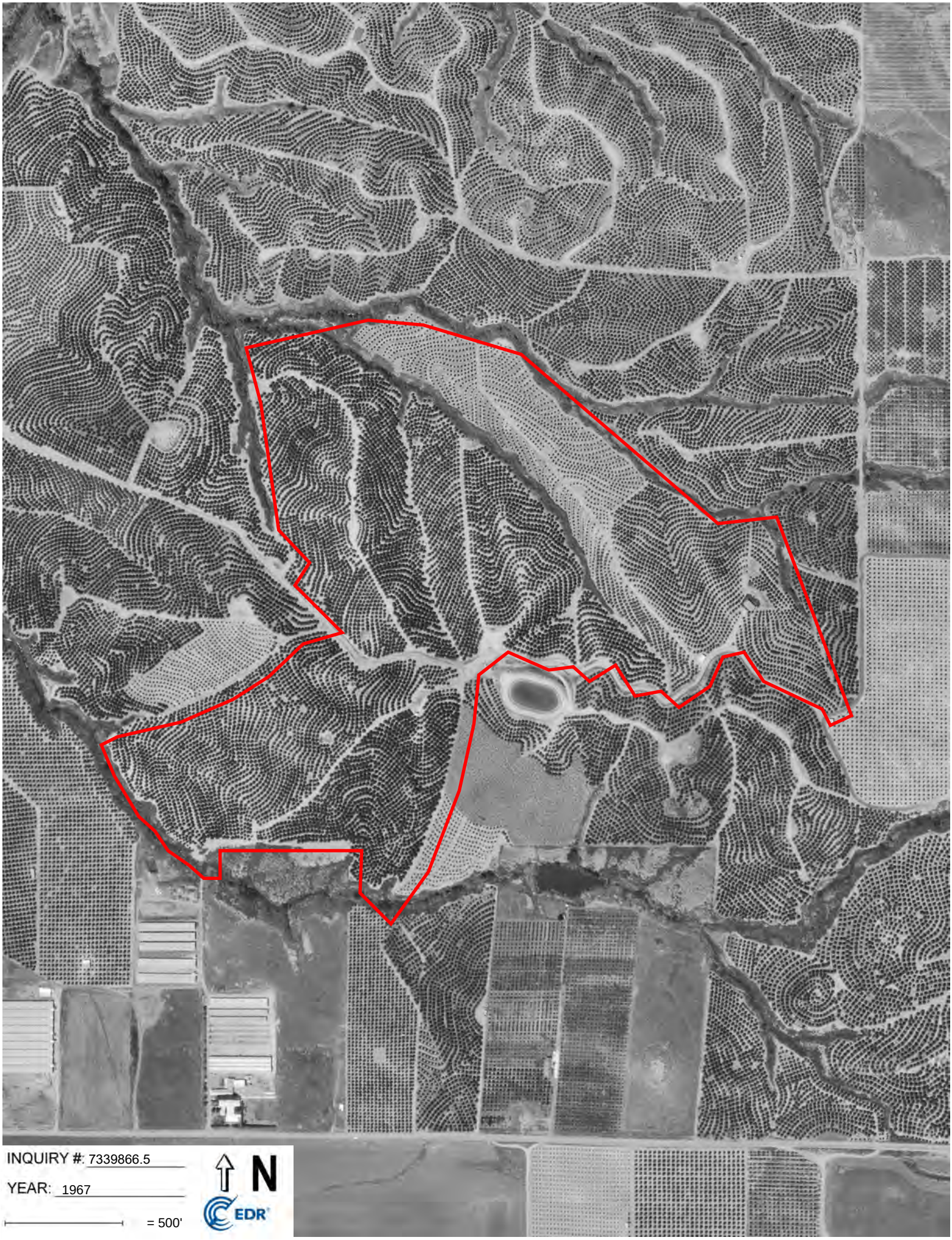
EDR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EDR


INQUIRY #: 7339866.5
YEAR: 1953
= 500'
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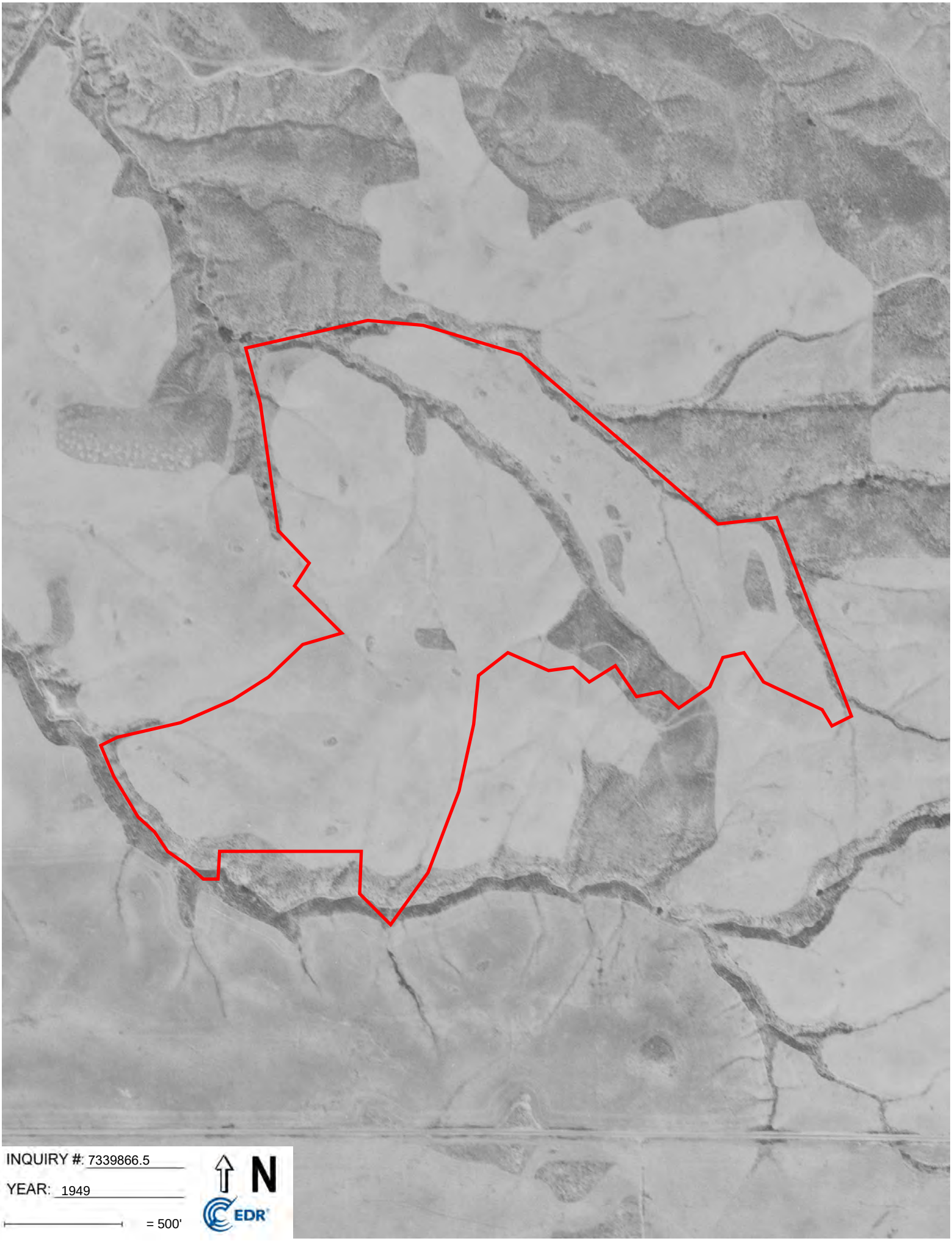
EDR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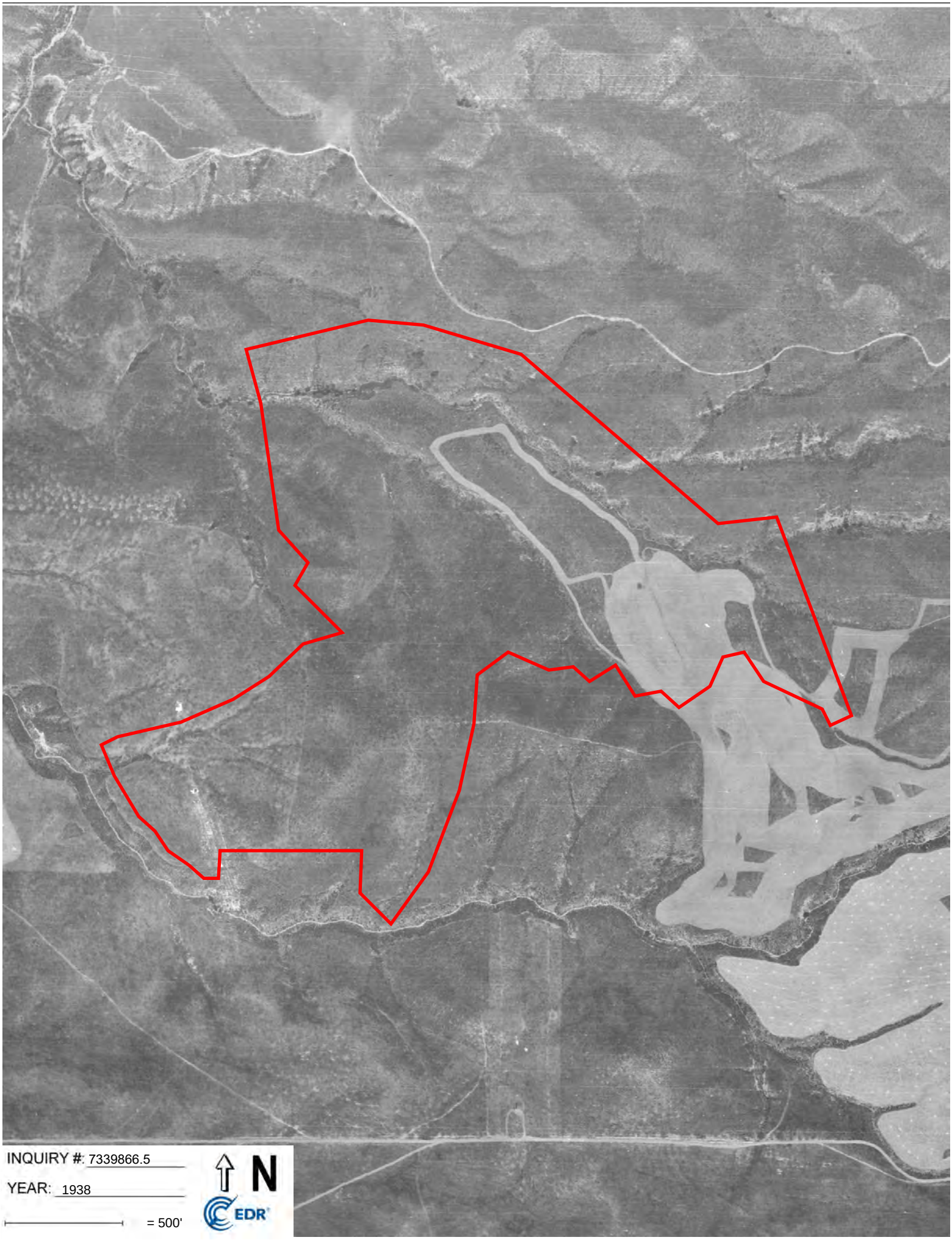
= 500'
N
EDR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YEAR: 1938
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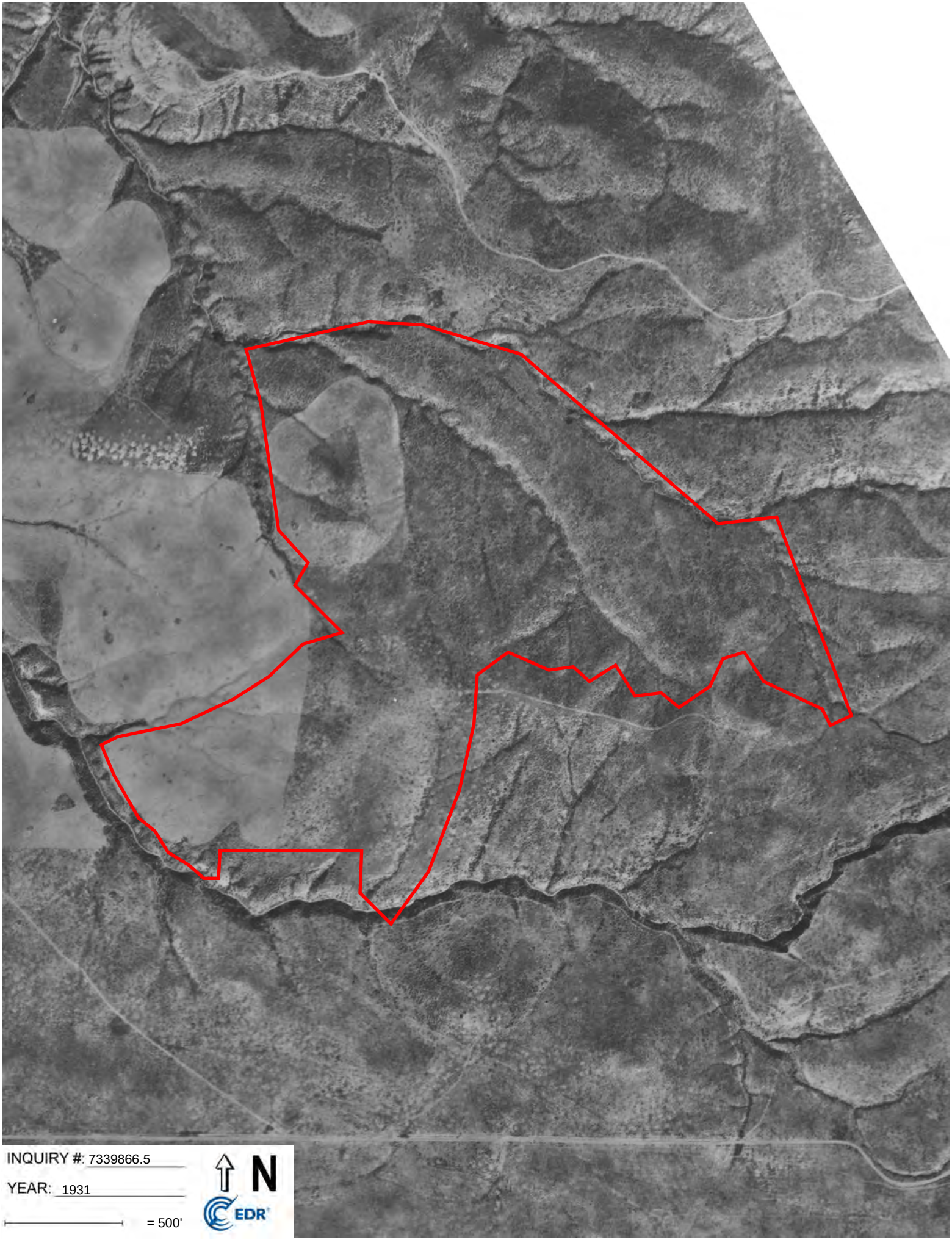
EDR



INQUIRY #: 7339866.5

YEAR: 1931

= 500'

N

EDR

Victoria Heights
El Sobrante Road
Riverside, CA 92503

Inquiry Number: 4316390.4
June 05, 2015

EDR Historical Topographic Map Report

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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

Historical Topographic Map

N	TARGET QUAD					
	NAME:	RIVERSIDE	SITE NAME:	Victoria Heights	CLIENT:	David McAlister
	MAP YEAR:	1901	ADDRESS:	El Sobrante Road	CONTACT:	David Mcalister
				Riverside, CA 92503	INQUIRY#:	4316390.4
	SERIES:	15	LAT/LONG:	33.8644 / -117.4238	RESEARCH DATE:	06/05/2015
	SCALE:	1:62500				

Historical Topographic Map

N	TARGET QUAD NAME: ELSINORE MAP YEAR: 1901 SERIES: 30 SCALE: 1:125000	SITE NAME: Victoria Heights ADDRESS: El Sobrante Road Riverside, CA 92503 LAT/LONG: 33.8644 / -117.4238	CLIENT: David McAlister CONTACT: David Mcalister INQUIRY#: 4316390.4 RESEARCH DATE: 06/05/2015

Historical Topographic Map

N	TARGET QUAD NAME: SOUTHERN CA SHEET 1 MAP YEAR: 1901 SERIES: 60 SCALE: 1:250000	SITE NAME: Victoria Heights ADDRESS: El Sobrante Road Riverside, CA 92503 LAT/LONG: 33.8644 / -117.4238	CLIENT: David McAlister CONTACT: David Mcalister INQUIRY#: 4316390.4 RESEARCH DATE: 06/05/2015

Historical Topographic Map

N	TARGET QUAD			
	NAME:	RIVERSIDE	SITE NAME:	Victoria Heights
	MAP YEAR:	1947	ADDRESS:	El Sobrante Road
				Riverside, CA 92503
	SERIES:	15	LAT/LONG:	33.8644 / -117.4238
	SCALE:	1:50000		

CLIENT:	David McAlister
CONTACT:	David Mcalister
INQUIRY#:	4316390.4
RESEARCH DATE:	06/05/2015

Historical Topographic Map

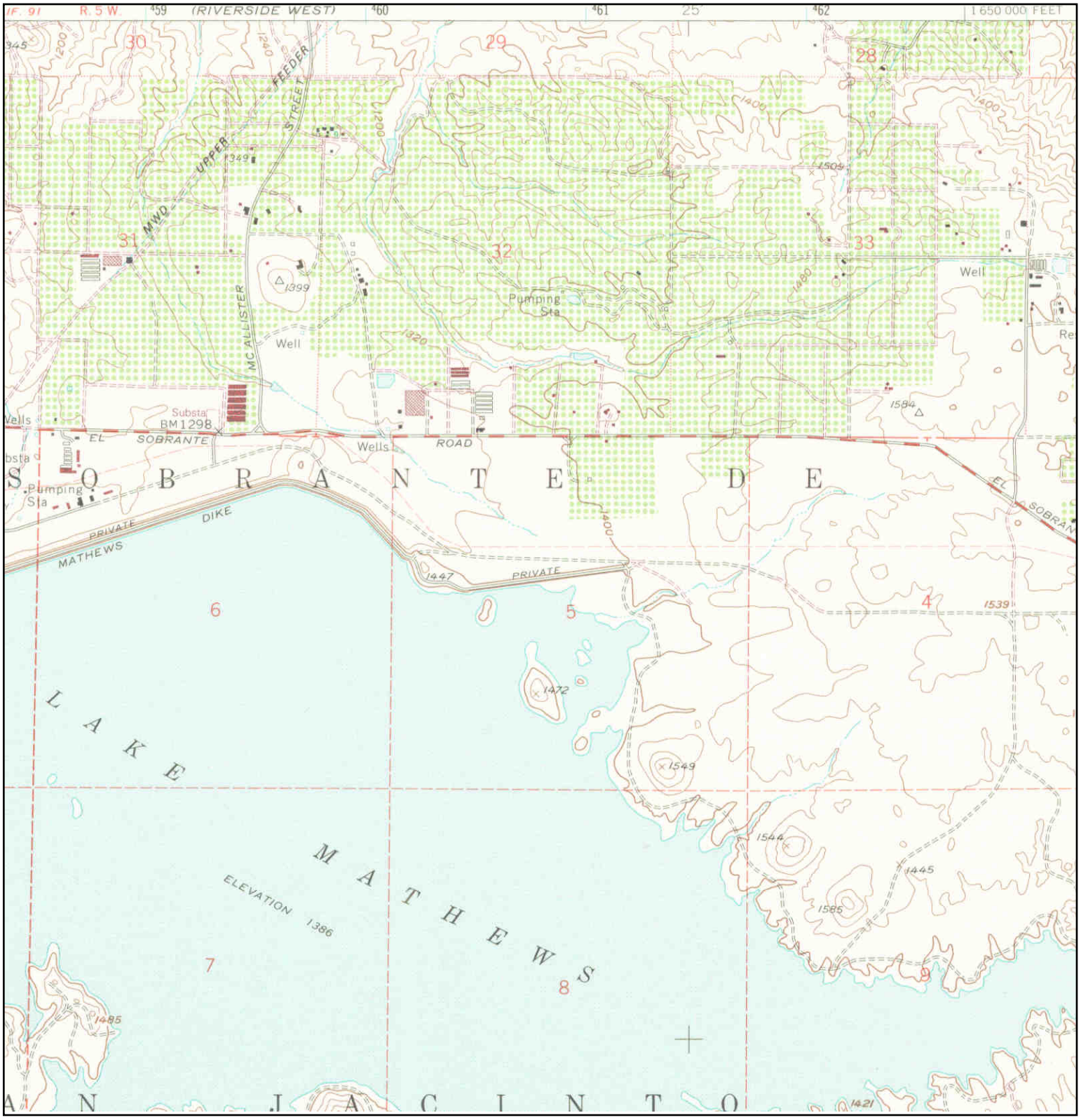
N	TARGET QUAD			
	NAME:	LAKE MATHEWS	SITE NAME:	Victoria Heights
	MAP YEAR:	1953	ADDRESS:	El Sobrante Road
				Riverside, CA 92503
	SERIES:	7.5	LAT/LONG:	33.8644 / -117.4238
	SCALE:	1:24000		

CLIENT:	David McAlister
CONTACT:	David Mcalister
INQUIRY#:	4316390.4
RESEARCH DATE:	06/05/2015

Historical Topographic Map

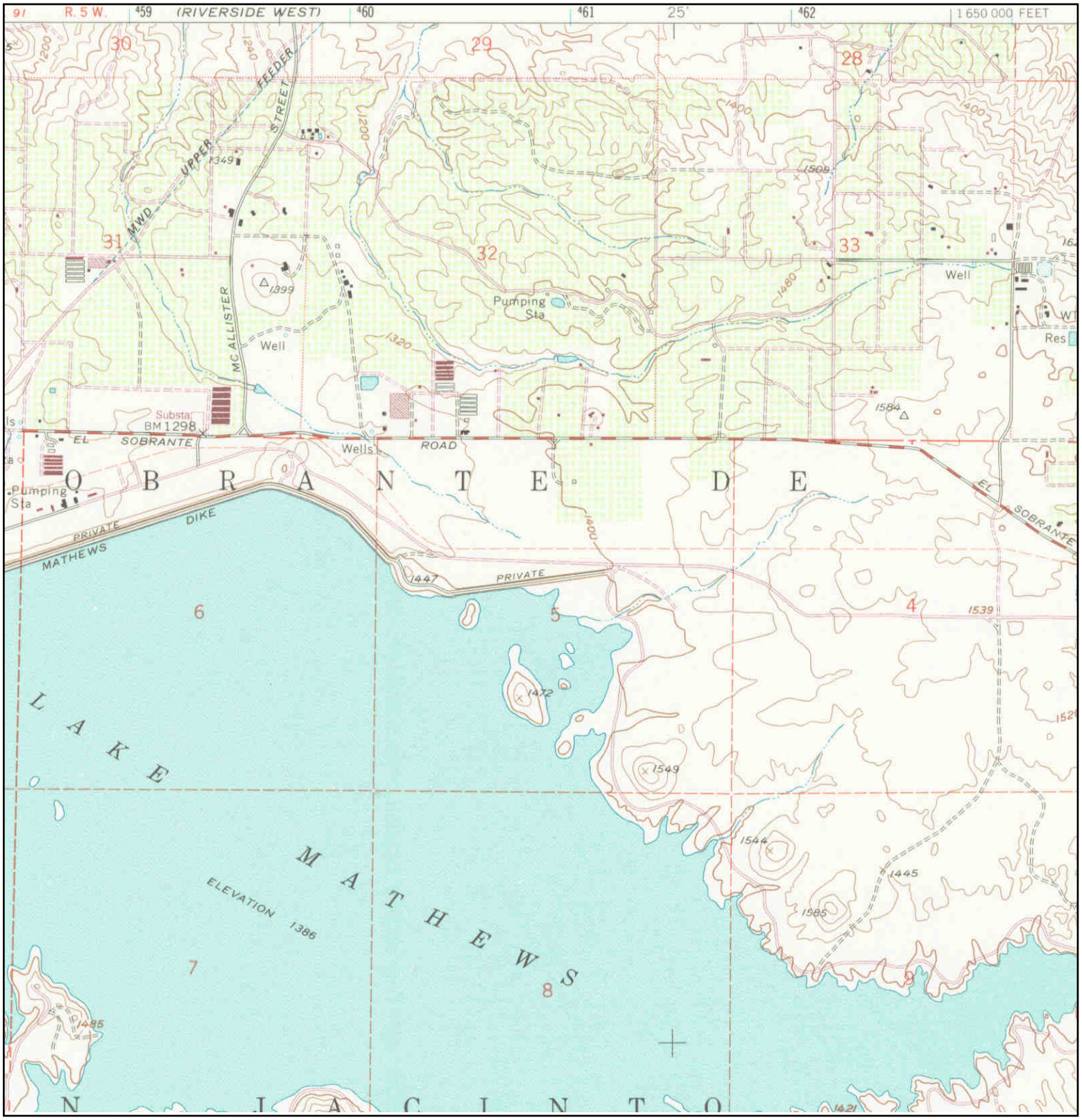
N	TARGET QUAD NAME: LAKE MATHEWS MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Victoria Heights ADDRESS: El Sobrante Road Riverside, CA 92503 LAT/LONG: 33.8644 / -117.4238	CLIENT: David McAlister CONTACT: David Mcalister INQUIRY#: 4316390.4 RESEARCH DATE: 06/05/2015

Historical Topographic Map



N	TARGET QUAD NAME: LAKE MATHEWS MAP YEAR: 1979 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Victoria Heights ADDRESS: El Sobrante Road Riverside, CA 92503 LAT/LONG: 33.8644 / -117.4238	CLIENT: David McAlister CONTACT: David Mcalister INQUIRY#: 4316390.4 RESEARCH DATE: 06/05/2015

Historical Topographic Map



N	TARGET QUAD		SITE NAME:	Victoria Heights	CLIENT:	David McAlister
	NAME:	LAKE MATHEWS	ADDRESS:	El Sobrante Road	CONTACT:	David Mcalister
	MAP YEAR:	1982		Riverside, CA 92503	INQUIRY#:	4316390.4
	PHOTOREVISED FROM :	1967	LAT/LONG:	33.8644 / -117.4238	RESEARCH DATE:	06/05/2015
	SERIES:	7.5				
	SCALE:	1:24000				

Historical Topographic Map

N	TARGET QUAD				
	NAME:	LAKE MATHEWS	SITE NAME:	Victoria Heights	CLIENT: David McAlister
	MAP YEAR:	1988	ADDRESS:	El Sobrante Road	CONTACT: David Mcalister
	PHOTOREVISED FROM :	1967		Riverside, CA 92503	INQUIRY#: 4316390.4
	SERIES:	7.5	LAT/LONG:	33.8644 / -117.4238	RESEARCH DATE: 06/05/2015
	SCALE:	1:24000			

Historical Topographic Map

N	TARGET QUAD				
	NAME:	LAKE MATHEWS	SITE NAME:	Victoria Heights	CLIENT: David McAlister
	MAP YEAR:	1997	ADDRESS:	El Sobrante Road	CONTACT: David Mcalister
				Riverside, CA 92503	INQUIRY#: 4316390.4
	SERIES:	7.5	LAT/LONG:	33.8644 / -117.4238	RESEARCH DATE: 06/05/2015
	SCALE:	1:24000			

Victoria Heights Development

El Sobrante Road

Riverside, CA 92503

Inquiry Number: 7339866.3

May 17, 2023

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

05/17/23

Site Name:

Victoria Heights Development
El Sobrante Road
Riverside, CA 92503
EDR Inquiry # 7339866.3

Client Name:

McAlister GeoScience
235 E Broadway Ste 1040
Long Beach, CA 90802
Contact: Jorge Ramos

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by McAlister GeoScience 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 # EFD0-45A0-9F77

PO # 23-05010

Project Victoria Heights Development

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 #: EFD0-45A0-9F77

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™

Limited Permission To Make Copies

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Appendix C

EDR Radius Map Report

Victoria Heights Development
El Sobrante Road
Riverside, CA 92503

Inquiry Number: 7339866.2s
May 17, 2023

The EDR Radius Map™ Report with GeoCheck®

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

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GEOCHECK ADDENDUM

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

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

EL SOBRANTE ROAD
RIVERSIDE, CA 92503

COORDINATES

Latitude (North):	33.8652520 - 33° 51' 54.90''
Longitude (West):	117.4244590 - 117° 25' 28.05''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	460739.3
UTM Y (Meters):	3747102.5
Elevation:	1371 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015897 LAKE MATHEWS, CA
Version Date:	2018
North Map:	12014860 RIVERSIDE WEST, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
EL SOBRANTE ROAD
RIVERSIDE, CA 92503

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	K-RANCH-LAKE MATTHEW	14480 BLACKBURN RD	SWEEPS UST, CA FID UST, NPDES, CIWQS, CERS	Lower	683, 0.129, NNE
2	K-RANCH-LAKE MATTHEW	14480 BLACKBURN RD	HIST UST	Lower	1252, 0.237, West
3	PROPOSED CITRUS HERI	BLACKBURN ROAD AND M	ENVIROSTOR, SCH	Lower	2917, 0.552, WNW
A4	MARCH WATER SYS ANNE		ENVIROSTOR	Higher	3920, 0.742, South
A5	MARCH WATER SYSTEM A		FUDS	Higher	3920, 0.742, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE ..... State Response Sites

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing
UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing
VCP ..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
ODI ..... Open Dump Inventory
IHS OPEN DUMPS ..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

HIST Cal-Sites ---- Historical Calsites Database
SCH ---- School Property Evaluation Program
CDL ---- Clandestine Drug Labs
CERS HAZ WASTE ---- CERS HAZ WASTE
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

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
DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
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

EXECUTIVE SUMMARY

LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HAZNET	Facility and Manifest Data
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
HAZMAT	Hazardous Material Facilities
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)

WELL STIM PROJ ---------- Well Stimulation Project (GEOTRACKER)
MINES MRDS ---------- Mineral Resources Data System
HWTS ---------- Hazardous Waste Tracking System
PFAS TRIS ---------- List of PFAS Added to the TRI

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/23/2023 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH WATER SYS ANNE Facility Id: 80000315 Status: Inactive - Needs Evaluation		S 1/2 - 1 (0.742 mi.)	A4	18

Lower Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED CITRUS HERI Facility Id: 60000134 Status: No Further Action	***BLACKBURN ROAD AND M***	***WNW 1/2 - 1 (0.552 mi.)***	***3***	***15***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

SWEEPS UST: 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.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
K-RANCH-LAKE MATTHEW Status: A Tank Status: A Comp Number: 28051	***14480 BLACKBURN RD***	***NNE 1/8 - 1/4 (0.129 mi.)***	***1***	***9***

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.

Lower Elevation	Address	Direction / Distance	Map ID	Page
K-RANCH-LAKE MATTHEW Facility Id: 00000028051	14480 BLACKBURN RD	W 1/8 - 1/4 (0.237 mi.)	2	14

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
K-RANCH-LAKE MATTHEW	***14480 BLACKBURN RD***	***NNE 1/8 - 1/4 (0.129 mi.)***	***1***	***9***

Facility Id: 33006955
Status: A

Other Ascertainable Records

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

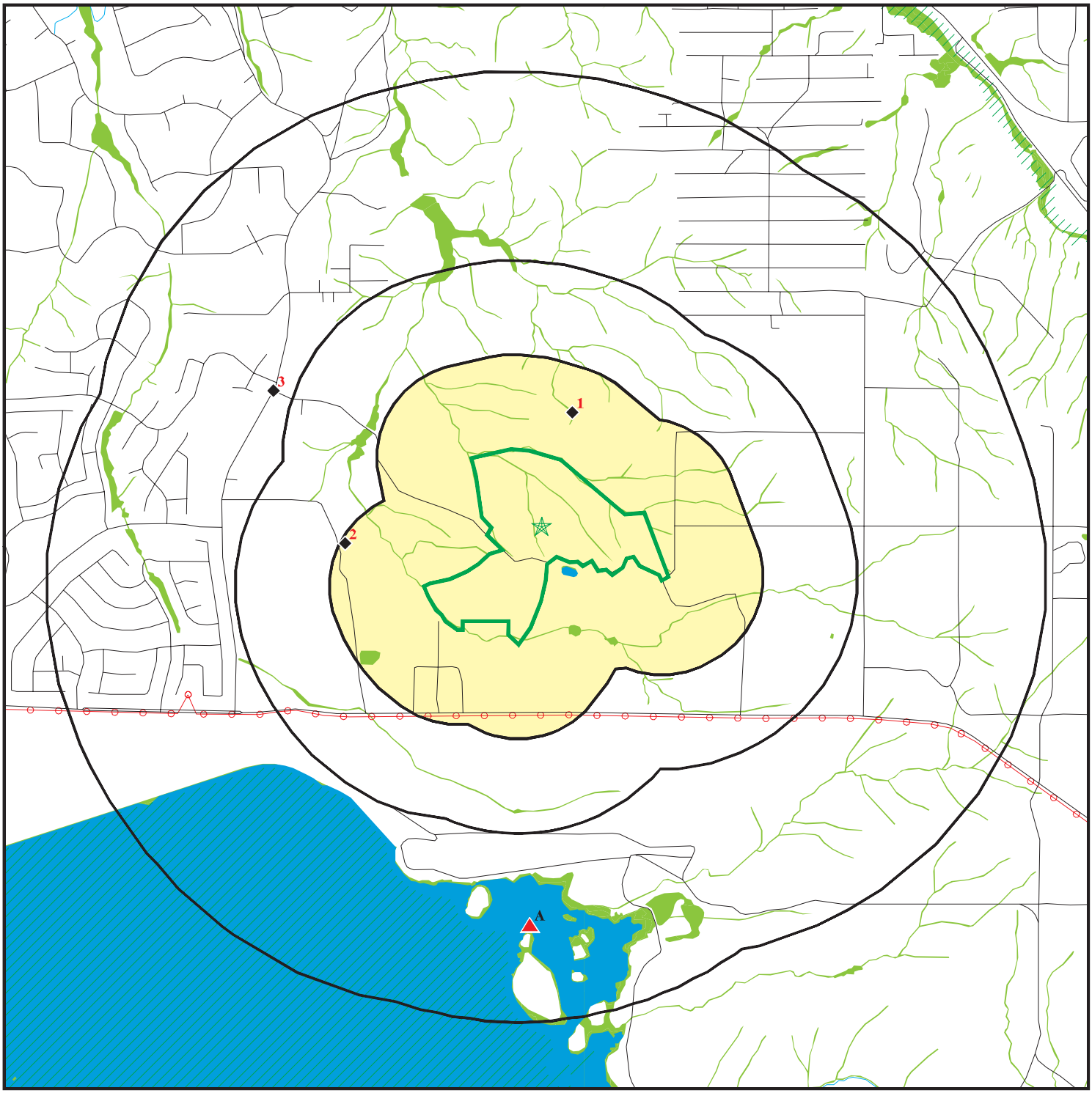
A review of the FUDS list, as provided by EDR, and dated 02/01/2023 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH WATER SYSTEM A		S 1/2 - 1 (0.742 mi.)	A5	19

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7339866.2S



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

0 1/4 1/2 1 Miles

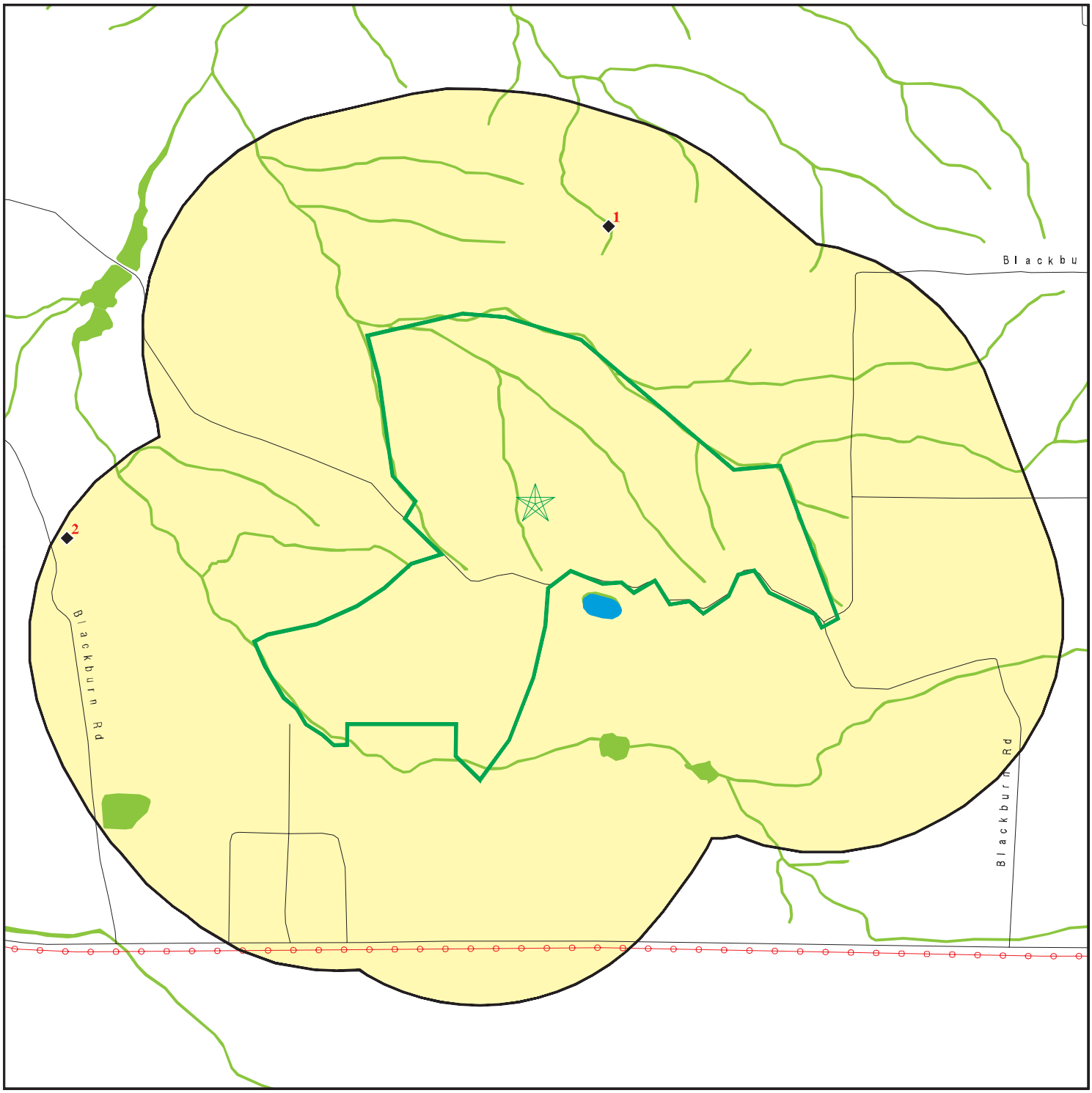
Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

Areas of Concern

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

SITE NAME:	Victoria Heights Development	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7339866.2s
LAT/LONG:	33.865252 / 117.424459	DATE:	May 17, 2023 2:13 pm

DETAIL MAP - 7339866.2S



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

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	Victoria Heights Development	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7339866.2s
LAT/LONG:	33.865252 / 117.424459	DATE:	May 17, 2023 2:13 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								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
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
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
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
Local Lists of Hazardous waste / Contaminated Sites								
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		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	1	NR	NR	NR	1
HIST UST	0.250		0	1	NR	NR	NR	1
CA FID UST	0.250		0	1	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	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
LIENS 2	0.001		0	NR	NR	NR	NR	0
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	1	NR	1
DOD	1.000		0	0	0	0	NR	0
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	0	NR	0
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	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	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	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	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
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
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
HAZNET	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
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
HAZMAT	0.250		0	0	NR	NR	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
WIP	0.250		0	0	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
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
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	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
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	0	3	0	3	0	6

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
NNE
1/8-1/4
0.129 mi.
683 ft.

K-RANCH-LAKE MATTHEWS
14480 BLACKBURN RD
RIVERSIDE, CA 92670

SWEEPS UST
CA FID UST
NPDES
CIWQS
CERS

S101619707
N/A

Relative:
Lower

Actual:
1310 ft.

SWEEPS UST:

Name:	K-RANCH-LAKE MATTHEWS
Address:	14480 BLACKBURN RD
City:	RIVERSIDE
Status:	Active
Comp Number:	28051
Number:	1
Board Of Equalization:	Not reported
Referral Date:	07-01-93
Action Date:	07-01-93
Created Date:	02-29-88
Owner Tank Id:	001490
SWRCB Tank Id:	33-000-028051-000001
Tank Status:	A
Capacity:	4000
Active Date:	07-01-93
Tank Use:	M.V. FUEL
STG:	P
Content:	REG UNLEADED
Number Of Tanks:	1

CA FID UST:

Facility ID:	33006955
Regulated By:	UTNKA
Regulated ID:	00028051
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	7145280820
Mail To:	Not reported
Mailing Address:	842 ALTA VISTA
Mailing Address 2:	Not reported
Mailing City,St,Zip:	RIVERSIDE 92670
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Active

NPDES:

Name:	RIVERSIDE 2
Address:	14480 BLACKBURN ROAD
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	8 33C381068

K-RANCH-LAKE MATTHEWS (Continued) **S101619707**

Regulatory Measure Type:	Construction
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	09/14/2017
Operator Name:	City Ventures Homebuilding Inc
Operator Address:	3121 Michelson Dr
Operator City:	Irvine
Operator State:	California
Operator Zip:	92612

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	490438
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33C381068
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City Ventures Homebuilding Inc
Discharge Address:	3121 Michelson Dr
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported

K-RANCH-LAKE MATTHEWS (Continued) **S101619707**

Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	RIVERSIDE 2
Address:	14480 BLACKBURN ROAD
City,State,Zip:	RIVERSIDE, CA 92503
Facility Status:	Active
NPDES Number:	CAS000002
Region:	8
Agency Number:	0
Regulatory Measure ID:	490438
Place ID:	Not reported
Order Number:	2009-0009-DWQ
WDID:	8 33C381068
Regulatory Measure Type:	Enrollee
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2017
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	3121 Michelson Dr

K-RANCH-LAKE MATTHEWS (Continued) **S101619707**

Discharge Name:	City Ventures Homebuilding Inc
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000002
Status:	Active
Agency Number:	0
Region:	8
Regulatory Measure ID:	490438
Order Number:	2009-0009-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	8 33C381068
Program Type:	Construction
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	09/14/2017
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	City Ventures Homebuilding Inc
Discharge Address:	3121 Michelson Dr
Discharge City:	Irvine
Discharge State:	California
Discharge Zip:	92612
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported

K-RANCH-LAKE MATTHEWS (Continued) **S101619707**

Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

CIWQS:

Name:	RIVERSIDE 2
Address:	14480 BLACKBURN ROAD
City,State,Zip:	RIVERSIDE, CA 92503
Agency:	City Ventures Homebuilding Inc
Agency Address:	3121 Michelson Dr Suite 150, Irvine, CA 92612
Place/Project Type:	Construction
SIC/NAICS:	Not reported
Region:	8
Program:	CONSTW
Regulatory Measure Status:	Active
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	8 33C381068
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	09/14/2017
Termination Date:	Not reported
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0

K-RANCH-LAKE MATTHEWS (Continued) **S101619707**

Latitude: 33.87083
Longitude: -117.423333

CERS:
Name: RIVERSIDE 2
Address: 14480 BLACKBURN ROAD
City,State,Zip: RIVERSIDE, CA 92503
Site ID: 540959
CERS ID: 858404
CERS Description: Construction Storm Water

Evaluation:
Eval General Type: Other/Unknown
Eval Date: 06-26-2018
Violations Found: No
Eval Type: Construction Storm Water Compliance Evaluation
Eval Notes: Drive-by inspection. Weather was sunny. Rumble plate at entrance, storm drains protected. Windscreen, silt fence, sandbags, and fiber rolls around perimeter; additional fiber rolls on slopes, with more available onsite.
Eval Division: Water Boards
Eval Program: CONSTW
Eval Source: SMARTS,

Affiliation:
Affiliation Type Desc: Owner/Operator
Entity Name: City Ventures Homebuilding Inc
Entity Title: Operator
Affiliation Address: 3121 Michelson DrSuite 150
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92612
Affiliation Phone: ,

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2 **K-RANCH-LAKE MATTHEWS** **HIST UST** **U001577727**
West **14480 BLACKBURN RD** **N/A**
1/8-1/4 **, CA 92670**
0.237 mi.
1252 ft.

Relative: HIST UST:
Lower
Name: K-RANCH-LAKE MATTHEWS
Actual: Address: 14480 BLACKBURN RD
1287 ft. City,State,Zip: CA 92670
File Number: 0001f5a8
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f5a8.pdf
Region: STATE
Facility ID: 00000028051
Facility Type: Other
Other Type: FARM
Contact Name: DANIEL G. KRAEMER
Telephone: 7145280820
Owner Name: DANIEL G. & GILBERT V. KRAEMER
Owner Address: 842 ALTA VISTA
Owner City,St,Zip: PLACENTIA, CA 92670

K-RANCH-LAKE MATTHEWS (Continued) **U001577727**

Total Tanks:	0002
Tank Num:	001
Container Num:	1
Year Installed:	1977
Tank Capacity:	00004000
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	Visual
Tank Num:	002
Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000500
Tank Used for:	PRODUCT
Type of Fuel:	DIESEL
Container Construction Thickness:	Not reported
Leak Detection:	None

Click here for Geo Tracker PDF:

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3 WNW 1/2-1 0.552 mi. 2917 ft. **PROPOSED CITRUS HERITAGE MS** **ENVIROSTOR** **S107737072**
BLACKBURN ROAD AND MCALLISTER STREET **SCH** **N/A**
UNICORPORATED RIVERSIDE, CA 92503

Relative: Lower

Actual: 1277 ft.

ENVIROSTOR:

Name:	PROPOSED CITRUS HERITAGE MS
Address:	BLACKBURN ROAD AND MCALLISTER STREET
City,State,Zip:	UNICORPORATED RIVERSIDE, CA 92503
Facility ID:	60000134
Status:	No Further Action
Status Date:	10/11/2006
Site Code:	404676
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	26.42
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Rana Georges
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	67
Senate:	28
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.8654
Longitude:	-117.4418
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	Arsenic DDD DDE DDT Lead Polynuclear aromatic hydrocarbons (PAHs
Confirmed COC:	30019-NO 30001-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description:	SOIL

PROPOSED CITRUS HERITAGE MS (Continued) **S107737072**

Alias Name: 404676
Alias Type: Project Code (Site Code)
Alias Name: 60000134
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 01/27/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/22/2006
Comments: NFA determination letter mailed to district on 9/25/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/23/2006
Comments: DTSC approved the PEA Tech Memo.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/24/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/11/2006
Comments: Not reported

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

SCH:

Name: PROPOSED CITRUS HERITAGE MS
Address: BLACKBURN ROAD AND MCALLISTER STREET
City,State,Zip: UNICORPORATED RIVERSIDE, CA 92503
Facility ID: 60000134
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 26.42
National Priorities List: NO

PROPOSED CITRUS HERITAGE MS (Continued) **S107737072**

Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Rana Georges
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404676
Assembly:	67
Senate:	28
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	10/11/2006
Restricted Use:	NO
Funding:	School District
Latitude:	33.8654
Longitude:	-117.4418
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ORCHARD
Potential COC:	Arsenic, DDD, DDE, DDT, Lead, Polynuclear aromatic hydrocarbons (PAHs Not reported
Confirmed COC:	30019-NO, 30001-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO
Potential Description:	SOIL
Alias Name:	404676
Alias Type:	Project Code (Site Code)
Alias Name:	60000134
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	01/27/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/22/2006
Comments:	NFA determination letter mailed to district on 9/25/2006.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	05/23/2006
Comments:	DTSC approved the PEA Tech Memo.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	10/24/2005
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/11/2006
Comments:	Not reported

PROPOSED CITRUS HERITAGE MS (Continued) **S107737072**

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

A4 **MARCH WATER SYS ANNEX** **ENVIROSTOR** **S107736678**
South **N/A**
1/2-1 **RIVERSIDE, CA**
0.742 mi.
3920 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
1393 ft.

ENVIROSTOR:

Name:	MARCH WATER SYS ANNEX
Address:	Not reported
City,State,Zip:	RIVERSIDE, CA
Facility ID:	80000315
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	67
Senate:	28
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.85
Longitude:	-117.425
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799F551600
Alias Type:	Federal Facility ID
Alias Name:	J09CA0480
Alias Type:	INPR
Alias Name:	80000315
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	05/08/1990

MARCH WATER SYS ANNEX (Continued) **S107736678**

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

A5 **MARCH WATER SYSTEM ANNEX** **FUDS** **1024903588**
South **N/A**
1/2-1 **RIVERSIDE, CA**
0.742 mi.
3920 ft. **Site 2 of 2 in cluster A**

Relative: **Higher**
Actual: **1393 ft.**

FUDS:

EPA Region:	09
Installation ID:	CA99799F551600
Congressional District Number:	42
Name:	MARCH WATER SYSTEM ANNEX
FUDS Number:	J09CA0480
City:	RIVERSIDE
State:	CA
County:	RIVERSIDE
Object ID:	2994
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	OTHER: OTHER
EMS Map Link:	https://fudsportal.usace.army.mil/ems/inventory/map?id=61115
Eligibility:	Ineligible
Has Projects:	No
NPL Status:	Not reported
Project Required:	No
Feature Description:	Not reported
Latitude:	33.85
Longitude:	-117.425

Count: 0 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 25

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

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

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

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

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: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes 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: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 4: Underground Storage Tank Leak List

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

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

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

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
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 REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

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

Date of Government Version: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

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: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
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: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
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: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
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: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

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

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

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

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
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: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
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: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

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

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

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

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
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176
Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

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

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

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: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
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

CERS HAZ WASTE: CERS HAZ WASTE

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

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/25/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

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

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch
Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50
Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
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: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 02/01/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 77

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
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: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/16/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 01/17/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
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: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/03/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2023
Next Scheduled EDR Contact: 06/12/2023
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: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
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: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
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 Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 85

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/25/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 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

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/22/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

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: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/20/2022
Date Data Arrived at EDR: 12/20/2022
Date Made Active in Reports: 03/10/2023
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
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: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
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: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 64

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/14/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 59

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/17/2023
Date Data Arrived at EDR: 02/17/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 81
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
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: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/15/2023
Number of Days to Update: 80
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1459
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1425
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN NO SONOMA CO DIST: Norther Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475

Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473

Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432

Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management DistrictDrycleaner Facility Listing
Butte County Air Quality Management DistrictDrycleaner Facility Listing.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

Date of Government Version: 06/17/2019
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1412

Source: Calaveras County Environmental Management Agency
Telephone: 209-754-6399
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 04/16/2019
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN GRANT: Grant Recipients List
Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1445
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1441
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

ICE: ICE
Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/22/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 10/31/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/28/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/07/2022
Date Data Arrived at EDR: 12/07/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 12/02/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/24/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

PFAS TRIS: List of PFAS Added to the TRI
Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 01/31/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 76

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

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: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/21/2023
Number of Days to Update: 79

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82
Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
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
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/25/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 89

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
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: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/15/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 11/28/2022
Date Data Arrived at EDR: 11/29/2022
Date Made Active in Reports: 02/14/2023
Number of Days to Update: 77

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/28/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite 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: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
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: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/09/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/02/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/10/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/15/2023
Next Scheduled EDR Contact: 06/05/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/23/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/28/2022
Date Data Arrived at EDR: 12/02/2022
Date Made Active in Reports: 02/23/2023
Number of Days to Update: 83

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2023
Date Data Arrived at EDR: 01/27/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
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
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

VICTORIA HEIGHTS DEVELOPMENT
EL SOBRANTE ROAD
RIVERSIDE, CA 92503

TARGET PROPERTY COORDINATES

Latitude (North):	33.865252 - 33° 51' 54.91''
Longitude (West):	117.424459 - 117° 25' 28.05''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	460739.3
UTM Y (Meters):	3747102.5
Elevation:	1371 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12015897 LAKE MATHEWS, CA
Version Date:	2018
North Map:	12014860 RIVERSIDE WEST, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

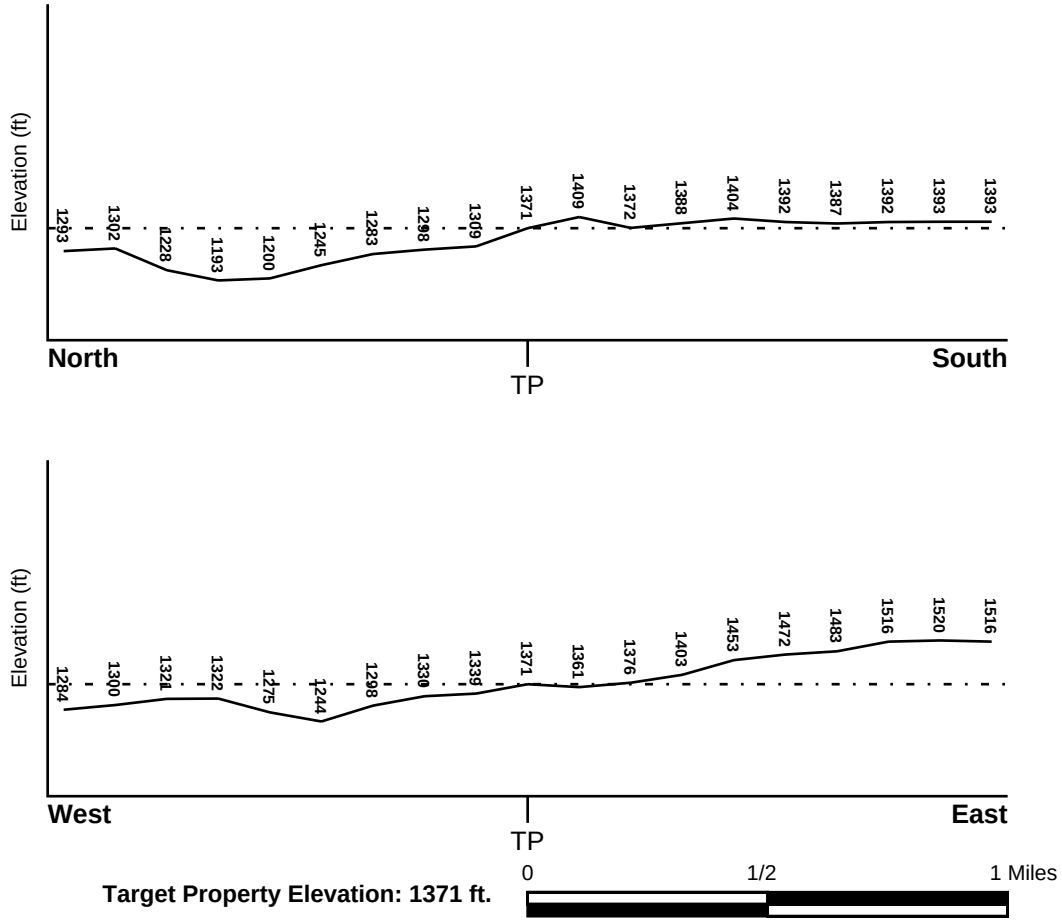
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 1371 ft.

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

Flood Plain Panel at Target Property	FEMA Source Type
06065C1385G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C0720G	FEMA FIRM Flood data
06065C1380G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

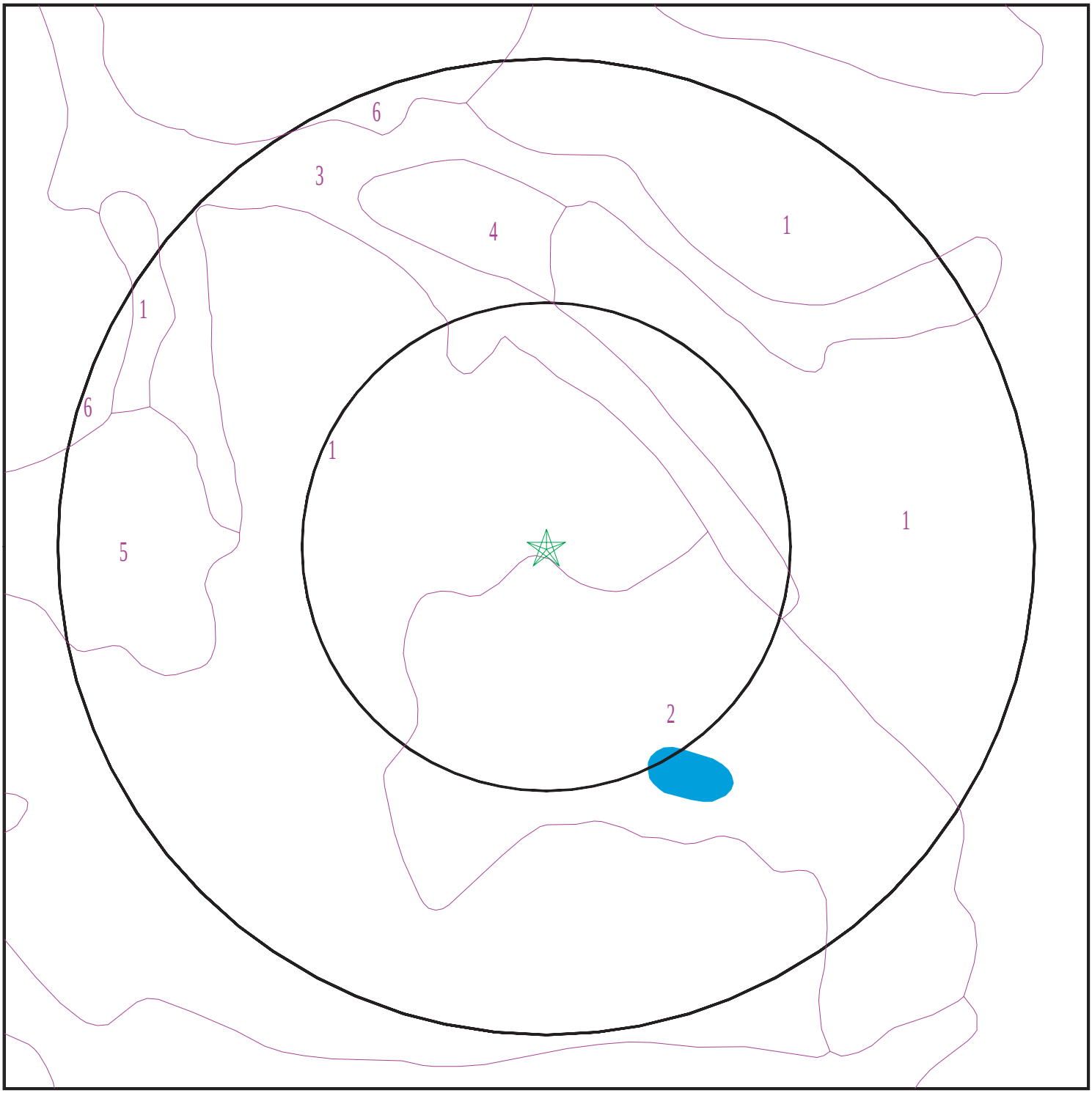
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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 - 7339866.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Victoria Heights Development	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7339866.2s
LAT/LONG:	33.865252 / 117.424459	DATE:	May 17, 2023 2:14 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: CAJALCO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	12 inches	22 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	22 inches	61 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 2

Soil Component Name: FALLBROOK

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	24 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	24 inches	27 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 3

Soil Component Name: CAJALCO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	12 inches	18 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	18 inches	61 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: BUREN

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
2	11 inches	27 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	27 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
4	37 inches	57 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Map ID: 5

Soil Component Name: LAS POSAS

Soil Surface Texture: loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	11 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	29 inches	53 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: CAJALCO

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	12 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	12 inches	20 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
3	20 inches	61 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

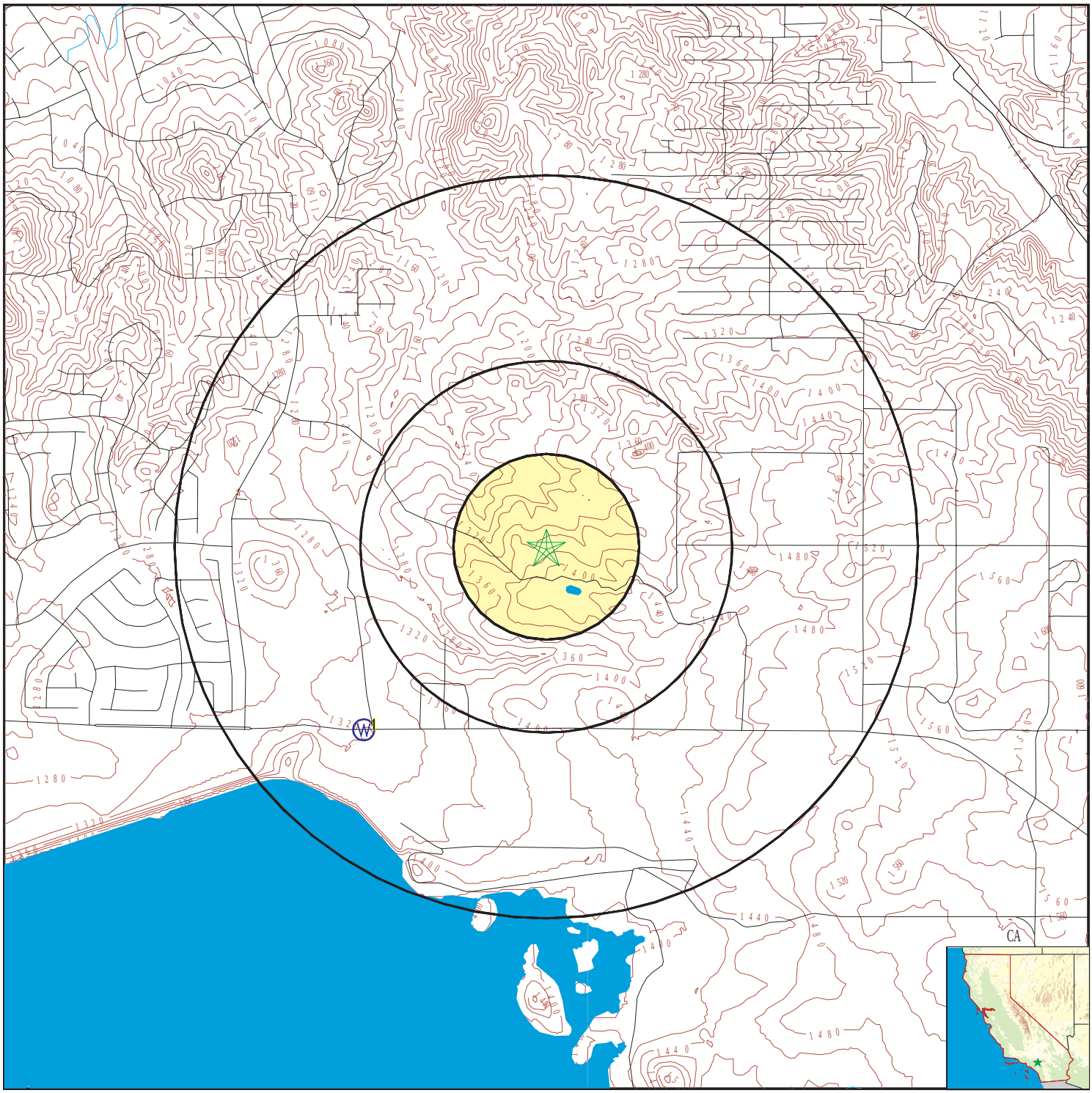
No PWS System Found

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000035609	1/2 - 1 Mile SW

PHYSICAL SETTING SOURCE MAP - 7339866.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Victoria Heights Development	CLIENT: McAlister GeoScience
ADDRESS: El Sobrante Road	CONTACT: Jorge Ramos
Riverside CA 92503	INQUIRY #: 7339866.2s
LAT/LONG: 33.865252 / 117.424459	DATE: May 17, 2023 2:14 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SW
1/2 - 1 Mile
Lower | **CA WELLS** | **CADWR0000035609**

Well ID:	04S05W05D001S	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	04S05W05D001S	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=04S05W05D001S&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92503	17	0

Federal EPA Radon Zone for RIVERSIDE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 92503

Number of sites tested: 1

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of 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

Appendix D

Other Useful Information

McAlister
GeoScience
5030 East 2nd Street, Suite 200 Long Beach, California 90803 (562) 489-7908

October 9, 2018

Forestar Victoria, LLC
4590 MacArthur Boulevard, Suite 600
Newport Beach, California 92660

Attention: Satish Lion

Subject: Soil Sampling Report
Riverside County Requested Sampling
Greentree Ranch – Riverside County, California

Dear Mr. Lion:

McAlister GeoScience is pleased to submit this Soil Sampling Report as requested by the Riverside County Planning Department and the Riverside County Department of Environmental Health at the Greentree Ranch residential development located in Riverside County, California (the Subject Property) (Figure 1).

The purpose of this scope of work is to assist with the characterization of environmental conditions on behalf of Forestar Victoria, LLC (the Client). McAlister GeoScience performed a Phase I/II Environmental Site Assessment (ESA) of the Subject Property in conformance with the scope and limitations of American Society for Testing and Materials Practice E-1527 and E-1907. The Phase I/II ESA was performed for due diligence risk assessment purposes and was issued June 17, 2015. The Phase I/II ESA included soil sampling and laboratory analysis for various compounds of potential concern (COPC) including organochloride pesticides (OCPs) and arsenic-based pesticides. A total 30 soil samples was collected from each of 15 borings advanced to a maximum depth of five feet below ground surface (bgs) in the areas of the former agricultural chemical usage, dumping of household trash, and adjacent to observed aboveground storage tanks (ASTs) on the Subject Property. Samples from the surface of each boring were submitted to an analytical laboratory for analysis on an expedited turnaround time and samples from total depth were submitted to the analytical laboratory on hold pending the results of the surface samples.

Concentrations of arsenic detected in soil were within range of naturally occurring California soils. Organochloride pesticides appear to have been used at the Subject Property; however, the concentrations remaining in soil are below the residential California Human Health Screening Level values for soil and therefore no further action was warranted or necessary at that time.

The Riverside County Planning Department and the Riverside County Department of Environmental Health have requested further sampling during the Environmental Impact Report (EIR) period in accordance with California Department of Toxic Substances Control (DTSC) *Interim Guidance for Sampling Agricultural Properties (Third Revision)* Dated August 7, 2008. This scope of work has been developed in response to this request.

The Subject Property consists of an assemblage of properties identified by the following Assessor's Parcel Numbers (APNs):

270-160-005 (Amsbry, 28.6 Acres)
270-070-005 (Bosch, 21.1 Acres)
270-070-002 (Cardey, 43.4 Acres)
270-070-006 (Ferrari, 17.3 Acres)
270-070-007 (Ferrari, 28.9 Acres)
270-060-005 (RJ El Sobrante, LLC, 5.2 Acres)
270-060-009 (RJ El Sobrante, LLC, 19.1 Acres)
270-070-001 (RJ El Sobrante, LLC, 13.4 Acres)
270-160-004 (RJ El Sobrante, LLC, 26.5 Acres)
270-160-006 (RJ El Sobrante, LLC, 11.0 Acres)
270-160-008 (DMB San Juan Inv., 25.6 Acres)
270-060-001 (Ersek, 9.12 Acres)
270-060-016 (Garcia, 4.8 Acres)
270-060-013 (Katelaris, 12.8 Acres)
270-150-001 (T&S Investment, 62.6 Acres)

The DTSC Sampling guidance has been applied to each of these properties as appropriate rather than to the entire Subject Property consisting of over 350 acres. In accordance with the DTSC Guidance, the sampling and analysis previously performed at the Subject Property will be more than sufficient to establish background concentrations of metals at the Subject Property.

A total of 416 discrete sample locations were identified and samples were collected within the first six inches of soil at each location. The locations of each sample are displayed on Figures 3 through 9. The samples were collected in 4-ounce jars with Teflon®-lined airtight caps. The samples were composited in the field for OCP analysis and a corresponding number of discrete samples were identified for arsenic analysis. A total of 115 samples were submitted to a state of California-certified laboratory for analysis of OCPs by United States Environmental Protection Agency (EPA) Method 8081. 117 samples were submitted for analysis of arsenic by EPA Method 6010.

Results of the analysis for OCPs indicate that concentrations above the laboratory reporting limit of DDD, DDE, and DDT were found in 64, 1, and 34 of the analyzed composite samples, respectively. In addition, three samples were found to have concentrations of dieldrin above the laboratory reporting limit. No other OCPs were detected. All concentrations of detected OCPs were well below the San Francisco Bay Region Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for residential occupation.

Arsenic was detected above the laboratory reporting limit of 5.0 milligrams per kilogram (mg/kg) in 19 of the soil samples analyzed. Although the ESL for arsenic in soil is 0.31 mg/kg, this screening level only refers to human activity as naturally occurring arsenic levels are known to be much higher (Duvergé, 2011; Office of Environmental Health Hazard Assessment [OEHHA], accessed 2018). Chernoff et al. (2008) and DTSC (2008) found that the upper-bound estimate for naturally occurring arsenic in soil in southern California is 12.0 mg/kg. Therefore, the concentrations of arsenic in soil samples collected at the Subject Property are below the upper bound for naturally occurring soils, with three exceptions. In the northwestern corner of the Subject Property, two soil samples (A 2-16 and A 4-6) were measured at the ESL 12 mg/kg for arsenic, and one soil sample (A 4-12), was measured above the ESL with a concentration of 13 mg/kg.

Results of the laboratory analysis are displayed on Tables 1 and 2. The complete laboratory reports are located in Appendix A.

The results of the soil sampling investigation indicate the concentration of OCPs in the soil collected from the Subject Property varies from non-detectable to very low concentrations, well below the ESL for residential occupation. One (A 4-12) of the 117 soil samples analyzed for arsenic was found to be above the DTSC and OEHHA upper bound for naturally occurring soils in southern California of 12 mg/kg. Given that there is only one soil sample that exceeds the 12 mg/kg natural upper bound, McAlister GeoScience recommends that the planned excavation and grading of the Subject Property can be conducted without any further investigation or remediation activities.

This Soil Sampling Investigation was conducted under the supervision of California Professional Geologist Jay Schneider. Mr. Schneider supervised the field work and prepared the report. In addition, a copy of the McAlister GeoScience Statement of Qualifications is located in Appendix B.

Sincerely,

Jay Schneider

Jay Schneider, P.G.

References

Chernoff, G., W. Bosan, and D. Oudiz, 2008. *Determination of a Southern California Regional Background Arsenic Concentration in Soil.* Society of Toxicology. March.

Department of Toxic Substances Control (DTSC), 2008. *Interim Guidance for Sampling Agricultural Properties (Third Revision).* August 7.

Duvergé, D.J., 2011. *Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region*. San Francisco State University. December.

McAlister GeoScience, 2015. *Phase I/II Environmental Site Assessment Report, Victoria Heights, Approximately 345.1 acres of land, Riverside County, California*. June 17.

OEHHA (Office of Environmental Health Hazard Assessment), 2018. https://oehha.ca.gov/media/downloads/risk-assessment/california-human-health-screening-levels-chhsls/chhslstableall_0.pdf. Accessed October 11.

San Francisco Bay Region Water Quality Control Board (SFBWQCB), 2016. https://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/esl.html. February.

TABLES

Table 1. Concentrations of organochloride pesticides (OCPs) in soil.

Sample Designation	Date Collected	4,4'-DDE	4,4'-DDD	4,4'-DDT	Dieldrin
ESL		**2.7**	**1.9**	**1.9**	**0.038**
A 1-1-4C	9/20/2018	ND	ND	ND	ND
A 1-5-8C	9/20/2018	ND	ND	ND	ND
A 1-9-12C	9/20/2018	ND	ND	ND	ND
A 1-13-16C	9/20/2018	ND	ND	ND	ND
A 1-17-18C	9/20/2018	ND	ND	ND	ND
A 2-1-4C	9/20/2018	ND	ND	ND	ND
A 2-5-8C	9/20/2018	ND	ND	ND	ND
A 2-9-12C	9/20/2018	ND	ND	ND	ND
A 2-13-16C	9/20/2018	ND	ND	ND	ND
A 2-17-20C	9/20/2018	ND	ND	ND	ND
A 2-21-22C	9/20/2018	ND	ND	ND	ND
A 3-1-2C	9/20/2018	**0.012**	ND	ND	ND
A 3-3-4C	9/20/2018	**0.014**	ND	ND	ND
A 3-5-6C	9/20/2018	**0.03**	ND	ND	ND
A 3-7-8C	9/20/2018	**0.012**	ND	ND	ND
A 3-9-10C	9/20/2018	**0.02**	ND	ND	ND
A 4-1-3C	9/20/2018	**0.013**	ND	**0.0088**	**ND**
A 4-4-6C	9/20/2018	**0.18**	ND	**0.029**	**ND**
A 4-7-9C	9/20/2018	**0.31**	ND	**0.056**	**ND**
A 4-10-13C	9/20/2018	**0.029**	ND	**0.01**	**ND**
A 4-14-17C	9/20/2018	**0.27**	ND	**0.024**	**0.0056**
A 4-18-20C	9/20/2018	**0.53**	ND	**0.086**	**0.012**
A 4-21-24C	9/20/2018	**0.017**	ND	ND	ND
A 4-25-28C	9/20/2018	**0.033**	ND	**0.0064**	ND

Table 1. Concentrations of organochloride pesticides (OCPs) in soil.

Sample Designation	Date Collected	4,4'-DDE	4,4'-DDD	4,4'-DDT	Dieldrin
A 5-1-2C	9/20/2018	ND	ND	ND	ND
A 5-3-4C	9/20/2018	ND	ND	ND	ND
A 5-5-6C	9/20/2018	ND	ND	ND	ND
A 5-7-8C	9/20/2018	ND	ND	ND	ND
A 5-9-10C	9/20/2018	**0.028**	ND	**0.013**	ND
A 6-1-4-C	9/20/2018	ND	ND	ND	ND
A 6-5-8C	9/20/2018	ND	ND	ND	ND
A 6-9-12C	9/20/2018	**0.018**	ND	**0.0085**	ND
A 6-13-16C	9/20/2018	**0.016**	ND	ND	ND
A 6-17-20	9/20/2018	**0.041**	ND	**0.01**	ND
A 6-21-24C	9/20/2018	**0.064**	ND	**0.018**	ND
A 6-25-27C	9/20/2018	**0.018**	ND	**0.0074**	ND
A 6-28-31C	9/20/2018	**0.011**	ND	ND	ND
A 6-32-35C	9/20/2018	**0.046**	ND	**0.0077**	ND
A 6-36-39C	9/20/2018	**0.022**	ND	**0.016**	ND
A 6-40-42C	9/20/2018	**0.035**	ND	**0.015**	ND
A 6-43-46C	9/20/2018	**0.041**	ND	**0.012**	ND
A 6-47-49C	9/20/2018	**0.055**	ND	**0.026**	ND
A 7-1-3C	9/19/2018	**0.02**	ND	ND	ND
A 7-4-7C	9/19/2018	**0.019**	ND	ND	ND
A 7-8-10C	9/19/2018	**0.055**	ND	**0.021**	ND
A 7-11-14C	9/19/2018	**0.014**	ND	ND	ND
A 7-15-18C	9/19/2018	**0.06**	ND	**0.0079**	ND
A 7-19-22C	9/19/2018	**0.046**	ND	**0.009**	ND
A 7-23-26C	9/19/2018	**0.011**	ND	ND	ND

Table 1. Concentrations of organochloride pesticides (OCPs) in soil.

Sample Designation	Date Collected	4,4'-DDE	4,4'-DDD	4,4'-DDT	Dieldrin
A 7-27-29C	9/19/2018	**0.012**	ND	ND	ND
A 7-30-33C	9/19/2018	**0.03**	ND	ND	ND
A 7-34-37C	9/19/2018	ND	ND	ND	ND
A 7-38-41C	9/19/2018	**0.017**	ND	ND	ND
A 7-42-45C	9/19/2018	**0.014**	ND	**0.0057**	ND
A 7-46-49C	9/20/2018	**0.052**	ND	**0.012**	ND
A 7-51-53C	9/20/2018	**0.016**	ND	ND	ND
A 8-1-4C	9/19/2018	**0.0069**	ND	ND	ND
A 8-5-8C	9/19/2018	**0.039**	ND	ND	ND
A 8-9-12C	9/19/2018	**0.051**	ND	**0.0063**	ND
A 8-13-16C	9/19/2018	**0.14**	ND	**0.062**	ND
A 8-17-20C	9/19/2018	**0.033**	ND	**0.011**	ND
A 8-21-23C	9/19/2018	**0.021**	ND	ND	ND
A 8-24-27C	9/19/2018	**0.057**	ND	**0.011**	ND
A 8-28-31	9/20/2018	**0.029**	ND	ND	ND
A 9-1-4C	9/20/2018	ND	ND	ND	ND
A 9-5-8C	9/20/2018	**0.0056**	ND	ND	ND
A 9-9-12C	9/20/2018	ND	ND	ND	ND
A9-13-16C	9/20/2018	**0.0056**	ND	ND	ND
A9-17-20C	9/20/2018	ND	ND	ND	ND
A9-21-24C	9/20/2018	ND	ND	ND	ND
A 9-25-27C	9/20/2018	ND	ND	ND	ND
A 9-28-30C	9/20/2018	ND	ND	ND	ND
A 9-31-34C	9/20/2018	**0.04**	ND	**0.0065**	ND
A 9-35-38C	9/20/2018	**0.0085**	ND	ND	ND

Table 1. Concentrations of organochloride pesticides (OCPs) in soil.

Sample Designation	Date Collected	4,4'-DDE	4,4'-DDD	4,4'-DDT	Dieldrin
A 10-1-4C	9/18/2018	**0.012**	ND	ND	ND
A 10-5-8C	9/18/2018	**0.022**	ND	**0.0056**	ND
A 10-9-12C	9/18/2018	**0.079**	ND	**0.013**	**0.015**
A 10-13-16C	9/18/2018	**0.0090**	ND	ND	ND
A 10-17-20C	9/18/2018	ND	ND	ND	ND
A 10-21-24C	9/18/2018	**0.030**	ND	ND	ND
A 10-25-28C	9/18/2018	**0.012**	ND	ND	ND
A 10-29-32C	9/18/2018	**0.028**	ND	ND	ND
A 10-33-36C	9/18/2018	**0.84**	**0.012**	**0.21**	ND
A 10-37-40C	9/18/2018	**0.096**	ND	**0.0087**	ND
A 10-41-44C	9/19/2018	**0.061**	ND	**0.0064**	ND
A 10-45-47C	9/19/2018	**0.023**	ND	ND	ND
A 10-48-51C	9/19/2018	**0.057**	ND	**0.0082**	ND
A 10-52-55C	9/19/2018	**0.25**	ND	**0.066**	ND
A 11-1-4C	9/18/2018	ND	ND	ND	ND
A 11-5-8C	9/18/2018	ND	ND	ND	ND
A 11-9-12C	9/18/2018	ND	ND	ND	ND
A 11-13-16C	9/18/2018	ND	ND	ND	ND
A 11-17-20C	9/18/2018	ND	ND	ND	ND
A 11-21-24C	9/18/2018	ND	ND	ND	ND
A 11-25-28C	9/18/2018	ND	ND	ND	ND
A 11-29-32C	9/20/2018	ND	ND	ND	ND
A 11-33-36C	9/20/2018	ND	ND	ND	ND
A 11-37-40C	9/20/2018	**0.0071**	ND	ND	ND
A 11-41-43C	9/20/2018	ND	ND	ND	ND
A 11-44-46C	9/20/2018	ND	ND	ND	ND

Table 1. Concentrations of organochloride pesticides (OCPs) in soil.

Sample Designation	Date Collected	4,4'-DDE	4,4'-DDD	4,4'-DDT	Dieldrin
A 12-1-4C	9/18/2018	ND	ND	ND	ND
A 12-5-8C	9/18/2018	ND	ND	ND	ND
A 12-9-12C	9/18/2018	ND	ND	ND	ND
A 12-13-16C	9/18/2018	ND	ND	ND	ND
A 12-17-20C	9/18/2018	ND	ND	ND	ND
A 12-21-24C	9/18/2018	ND	ND	ND	ND
A 12-25-28C	9/18/2018	ND	ND	ND	ND
A 12-29-32C	9/18/2018	ND	ND	ND	ND
A 12-33-36C	9/18/2018	ND	ND	ND	ND
A 12-37-40C	9/18/2018	ND	ND	ND	ND
A 12-41-44C	9/19/2018	ND	ND	ND	ND
A 12-45-48C	9/19/2018	ND	ND	ND	ND
A 12-49-52C	9/19/2018	ND	ND	ND	ND
A 12-53-56C	9/19/2018	ND	ND	ND	ND
A 12-57-60C	9/19/2018	ND	ND	ND	ND

All concentrations in milligrams per kilogram (mg/kg).
ND = Not Detected above the laboratory reporting limit.
Analytes not listed were not detected in any soil sample.
ESL = San Francisco Bay Region Water Quality Control Board Environmental Screening Level for Residential Shallow Soil Exposure

Table 1. Concentration of Arsenic in Soil Samples

Sample designation	Date Collected	Concentration
A 1-3	9/20/2018	ND
A 1-7	9/20/2018	**6.7**
A 1-10	9/20/2018	ND
A 1-15	9/20/2018	ND
A 1-17	9/20/2018	ND
A 2-1	9/20/2018	ND
A 2-7	9/20/2018	**6.6**
A 2-12	9/20/2018	ND
A 2-16	9/20/2018	**12**
A 2-20	9/20/2018	ND
A 2-22	9/20/2018	ND
A 3-1	9/20/2018	**7.4**
A 3-4	9/20/2018	ND
A 3-6	9/20/2018	ND
A 3-7	9/20/2018	ND
A 3-10	9/20/2018	ND
A 4-1	9/20/2018	ND
A 4-4	9/20/2018	ND
A 4-6	9/20/2018	**12**
A 4-7	9/20/2018	**7.0**
A 4-12	9/20/2018	**13**
A 4-16	9/20/2018	ND
A 4-19	9/20/2018	ND
A 4-23	9/20/2018	ND

Table 1. Concentration of Arsenic in Soil Samples

Sample designation	Date Collected	Concentration
A 4-27	9/20/2018	ND
A 5-2	9/20/2018	ND
A 5-3	9/20/2018	ND
A 5-6	9/20/2018	ND
A 5-7	9/20/2018	ND
A 5-10	9/20/2018	**11**
A 6-4	9/20/2018	ND
A 6-8	9/20/2018	ND
A 6-12	9/20/2018	**9.5**
A 6-16	9/20/2018	ND
A 6-17	9/20/2018	ND
A 6-24	9/20/2018	ND
A 6-27	9/20/2018	ND
A 6-30	9/20/2018	ND
A 6-33	9/20/2018	**8.8**
A 6-39	9/20/2018	ND
A 6-41	9/20/2018	ND
A 6-44	9/20/2018	**5.9**
A 6-49	9/20/2018	ND
A 7-3	9/19/2018	ND
A 7-4	9/19/2018	ND
A 7-10	9/19/2018	ND
A 7-11	9/19/2018	ND
A 7-18	9/19/2018	ND

Table 1. Concentration of Arsenic in Soil Samples

Sample designation	Date Collected	Concentration
A 7-21	9/19/2018	ND
A 7-24	9/19/2018	ND
A 7-27	9/19/2018	ND
A 7-30	9/19/2018	ND
A 7-36	9/19/2018	ND
A 7-40	9/19/2018	ND
A 7-43	9/19/2018	ND
A 7-47	9/20/2018	ND
A 7-50	9/20/2018	ND
A 8-1-4C	9/19/2018	ND
A 8-6	9/19/2018	ND
A 8-11	9/19/2018	ND
A 8-14	9/19/2018	ND
A 8-19	9/19/2018	ND
A 8-21	9/19/2018	ND
A 8-25	9/19/2018	ND
A 8-31	9/20/2018	ND
A 9-4	9/20/2018	ND
A 9-8	9/20/2018	ND
A 9-12	9/20/2018	ND
A 9-16	9/20/2018	ND
A 9-20	9/20/2018	ND
A 9-24	9/20/2018	ND
A 9-27	9/20/2018	**7.8**
A 9-30	9/20/2018	ND

Table 1. Concentration of Arsenic in Soil Samples

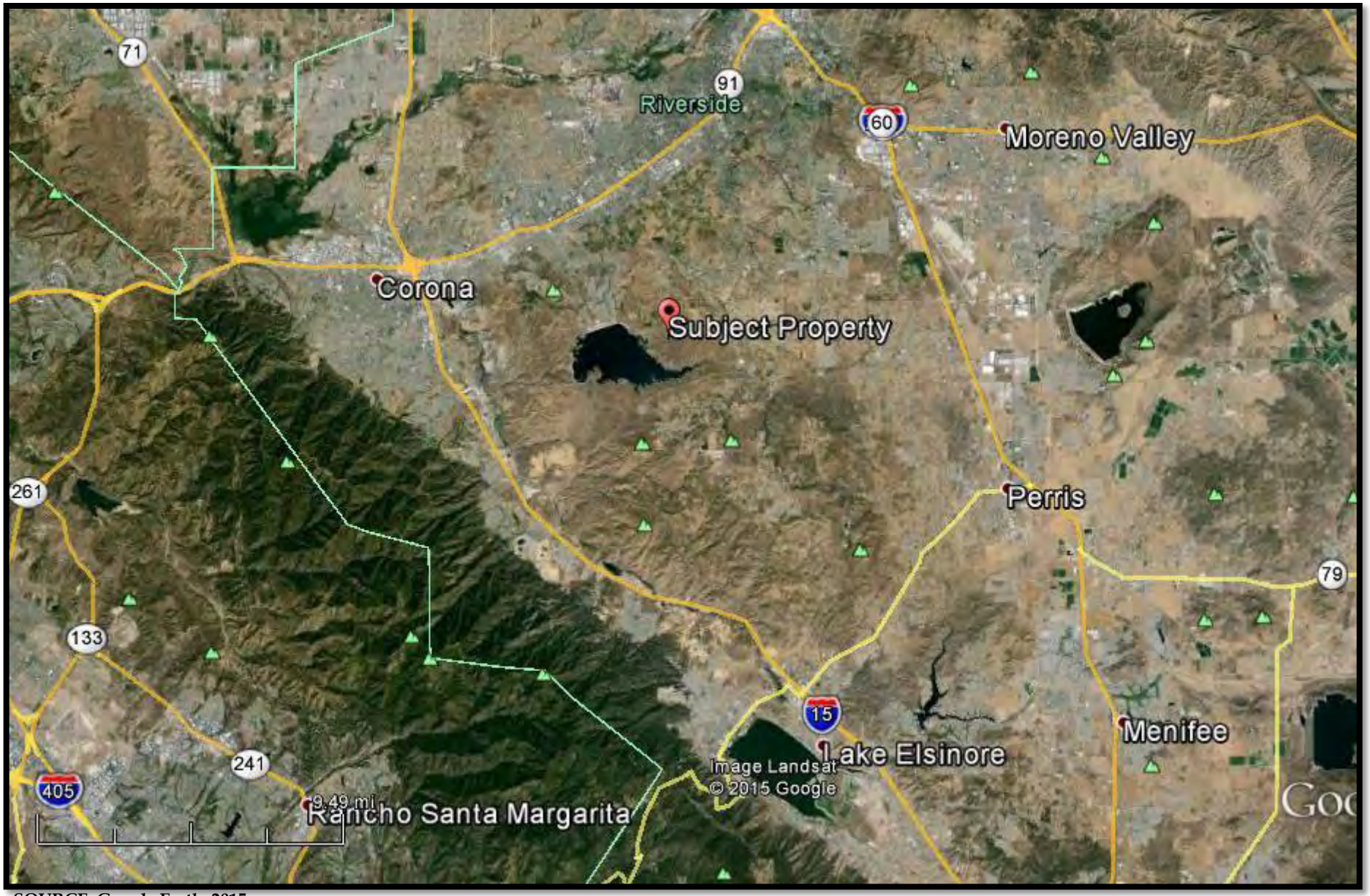
Sample designation	Date Collected	Concentration
A 9-34	9/20/2018	ND
A 9-38	9/20/2018	ND
A 10-3	9/18/2018	ND
A 10-6	9/18/2018	ND
A 10-11	9/18/2018	ND
A 10-14	9/18/2018	ND
A 10-18	9/18/2018	ND
A 10-22	9/18/2018	ND
A 10-28	9/18/2018	ND
A 10-29	9/18/2018	ND
A 10-34	9/18/2018	**8.7**
A 10-39	9/18/2018	ND
A 10-41	9/19/2018	ND
A 10-46	9/19/2018	ND
A 10-48	9/19/2018	ND
A 10-53	9/19/2018	ND
A 11-4	9/18/2018	**9.9**
A 11-8	9/18/2018	ND
A 11-12	9/18/2018	ND
A 11-16	9/18/2018	**9.1**
A 11-20	9/18/2018	ND
A 11-24	9/18/2018	**6.9**
A 11-28	9/18/2018	ND
A 11-32	9/20/2018	ND
A 11-36	9/20/2018	ND

Table 1. Concentration of Arsenic in Soil Samples

Sample designation	Date Collected	Concentration
A 11-40	9/20/2018	ND
A 11-43	9/20/2018	ND
A 11-46	9/20/2018	ND
A 12-4	9/18/2018	**9.5**
A 12-6	9/18/2018	ND
A 12-9	9/18/2018	ND
A 12-16	9/18/2018	ND
A 12-18	9/18/2018	ND
A 12-21	9/18/2018	ND
A 12-28	9/18/2018	**8.9**
A 12-30	9/18/2018	**9.1**
A 12-36	9/18/2018	ND
A 12-37	9/18/2018	ND
A 12-42	9/19/2018	ND
A 12-45	9/19/2018	ND
A 12-46	9/19/2018	ND
A 12-50	9/19/2018	ND
A 12-54	9/19/2018	ND
A 12-58	9/19/2018	ND

Concentrations in milligrams per kilogram (mg/kg).
ND = Not Detected above the laboratory reporting limit.
Concentrations in purple equal the upper limit for naturally occurring soils.
Concentrations in red exceed the limit for naturally occurring soils. See text for details.

FIGURES



SOURCE: Google Earth, 2015

N

TITLE: **Site Location Map**

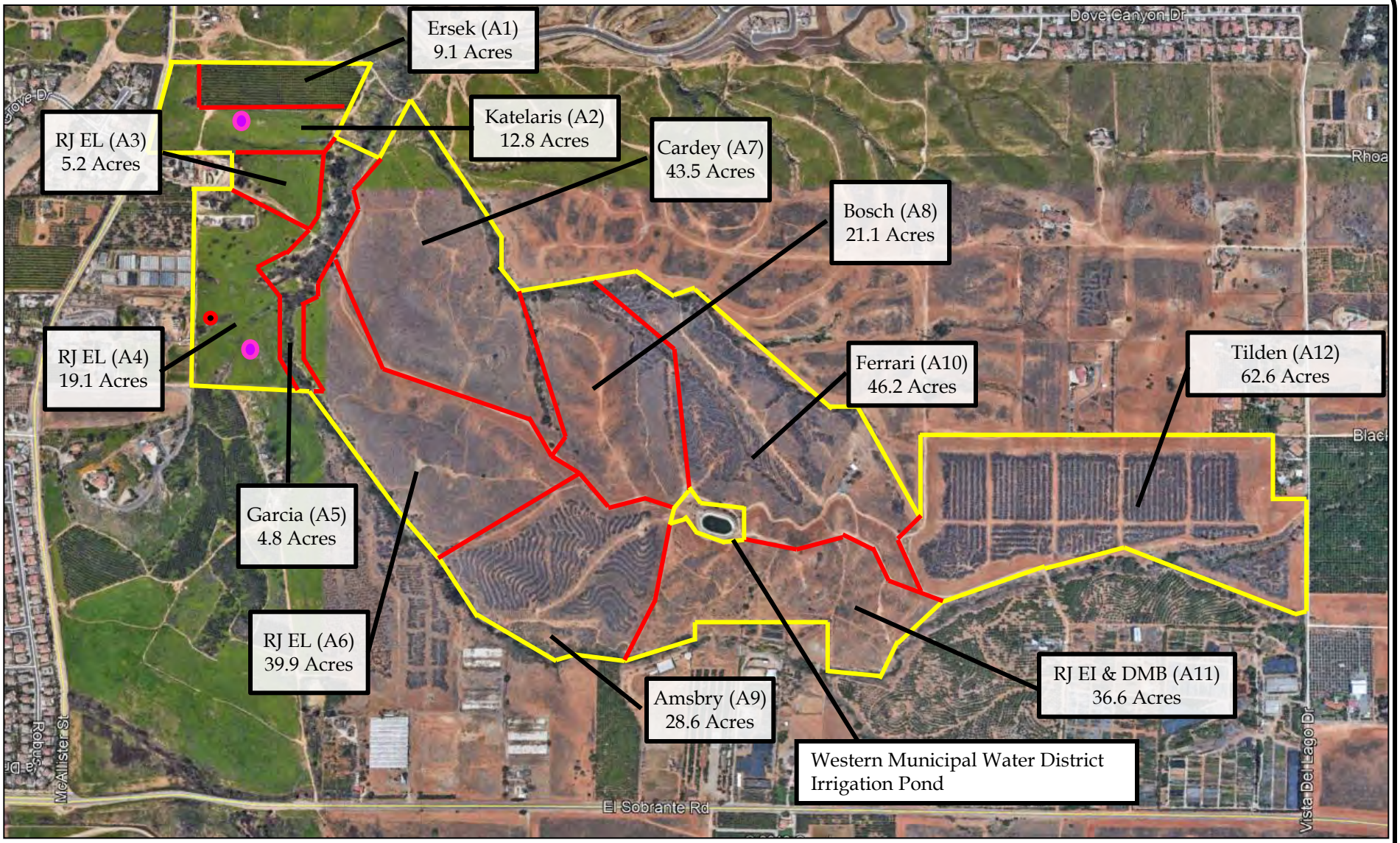
LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 DirtyProperty.com

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
DATE:	09/17/2018

FIGURE: **1**



Legend:

Property Boundary

Internal Parcel Boundary

Concentration of arsenic = 12 mg/kg, Equals naturally occurring screening level for southern California.

Concentration of arsenic = 13 mg/kg, Exceeding naturally occurring screening level for southern California.

Scale bar = 900 feet

N

SOURCE: *Google Earth, 2018*

TITLE: **Site Map with Parcel Boundaries**

LOCATION: **Victoria Heights**

Riverside County, California

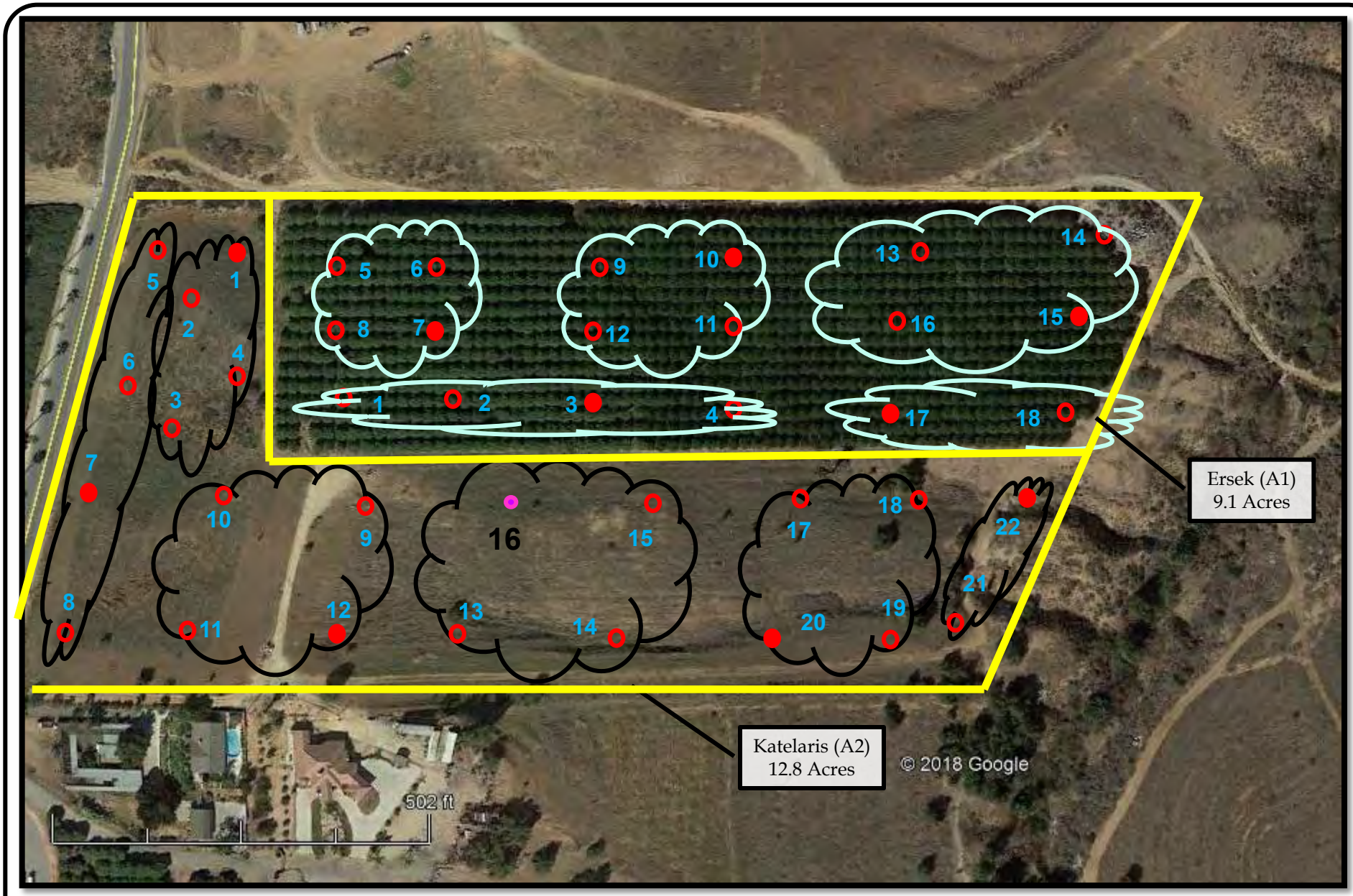
McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
DRAFTED:	J. Schneider
FILE:	
DATE:	10/04/2018

FIGURE: **2**



Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic
- Concentration of arsenic = 12 mg/kg, Equals naturally occurring screening level for southern California.

SOURCE: *Google Earth, 2018*

TITLE: **Ersek (A1) / Katelaris (A2)**

LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

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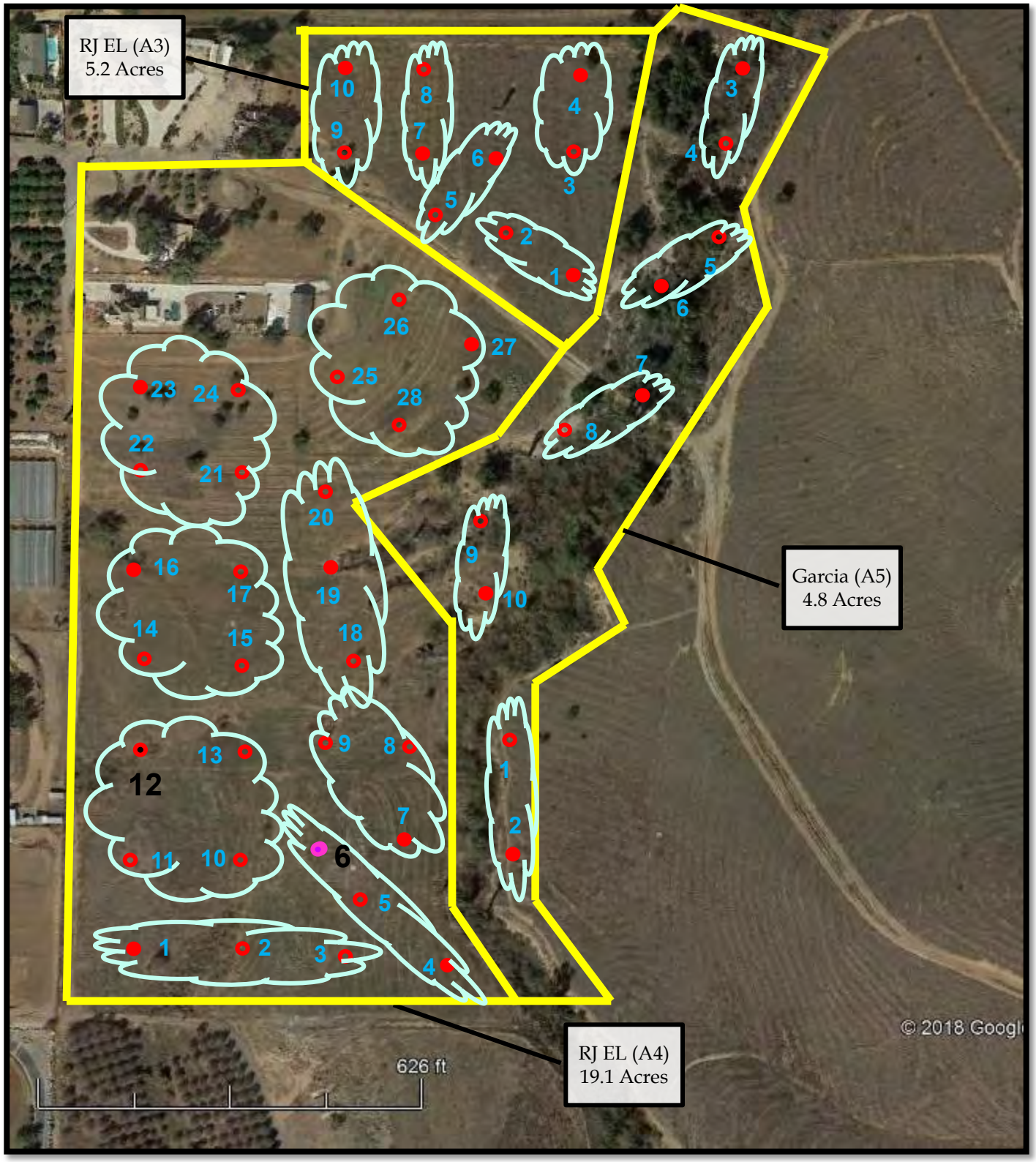
DRAFTED:	J. Schneider
FILE:	
DATE:	10/04/2018

FIGURE: 3



SOURCE: *Google Earth, 2018*

Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic
- Concentration of arsenic = 13 mg/kg, Exceeding naturally occurring screening level for southern California.
- Concentration of arsenic = 12 mg/kg, Equals naturally occurring screening level for southern California.

N

TITLE: **RJ EL (A3) / RJ EL (A4) / Garcia (A5)**

LOCATION: **Victoria Heights**
Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

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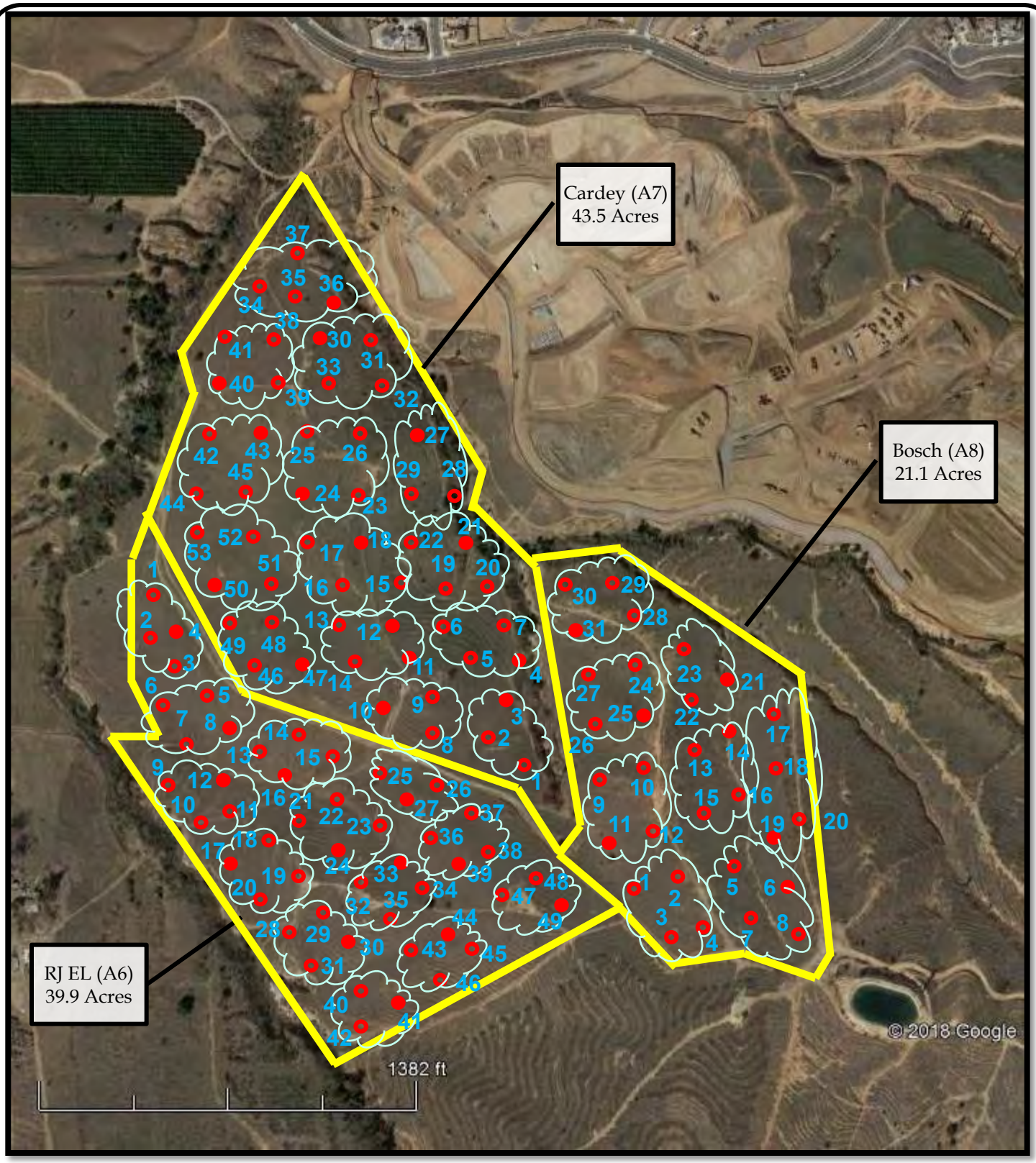
FILE:	
DATE:	09/25/2018

FIGURE: 4



Legend:

- Property Boundary
- Groundwater Well
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

SOURCE: *Google Earth, 2018*

TITLE: **RJ EL (A6) / Cardey (A7) / Bosch (A8)**

LOCATION: **Victoria Heights**
Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

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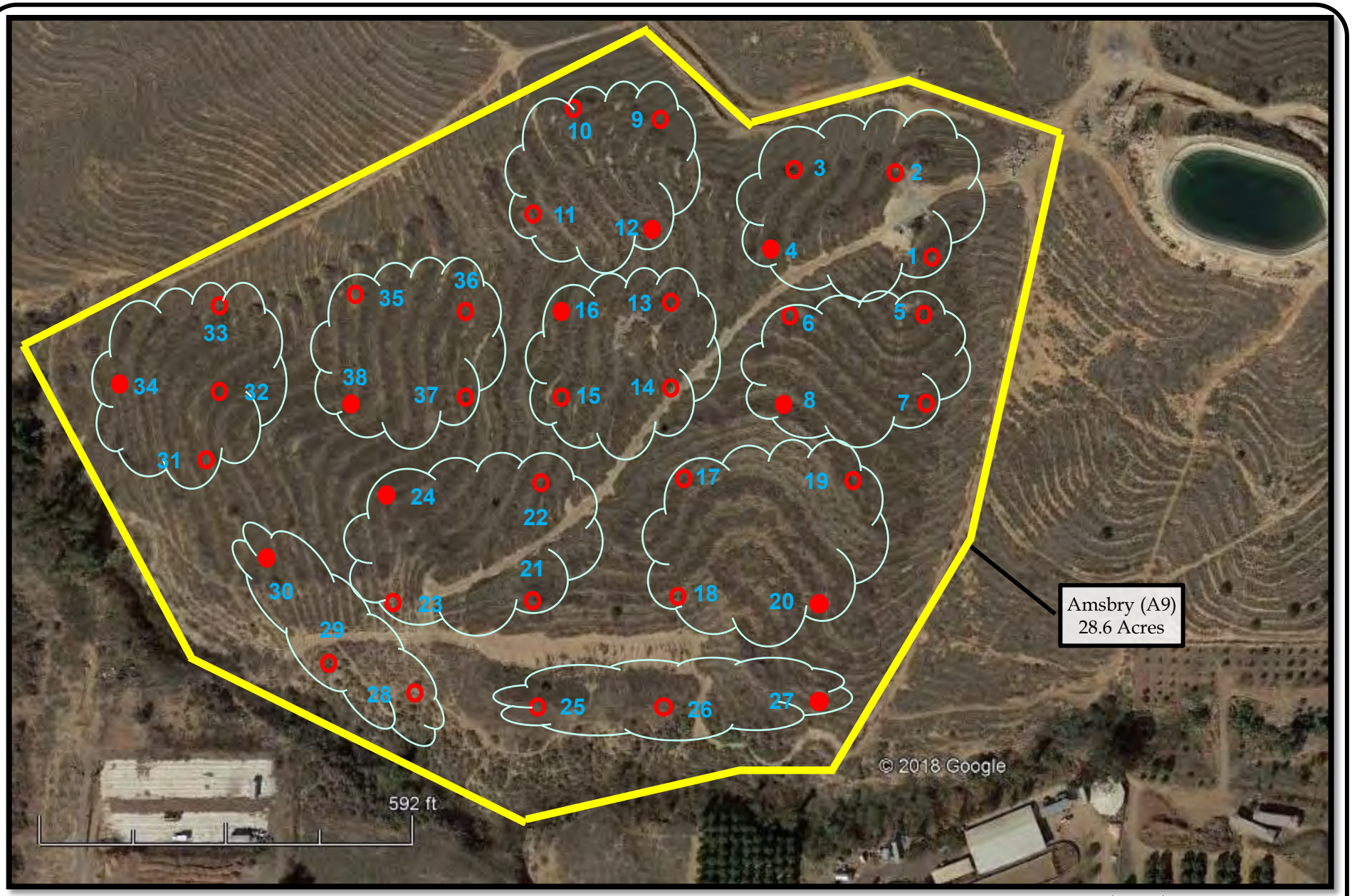
DATE:	09/26/2018

FIGURE: 5



Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

SOURCE: *Google Earth, 2018*

TITLE: **Amsbr (A9)**

LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

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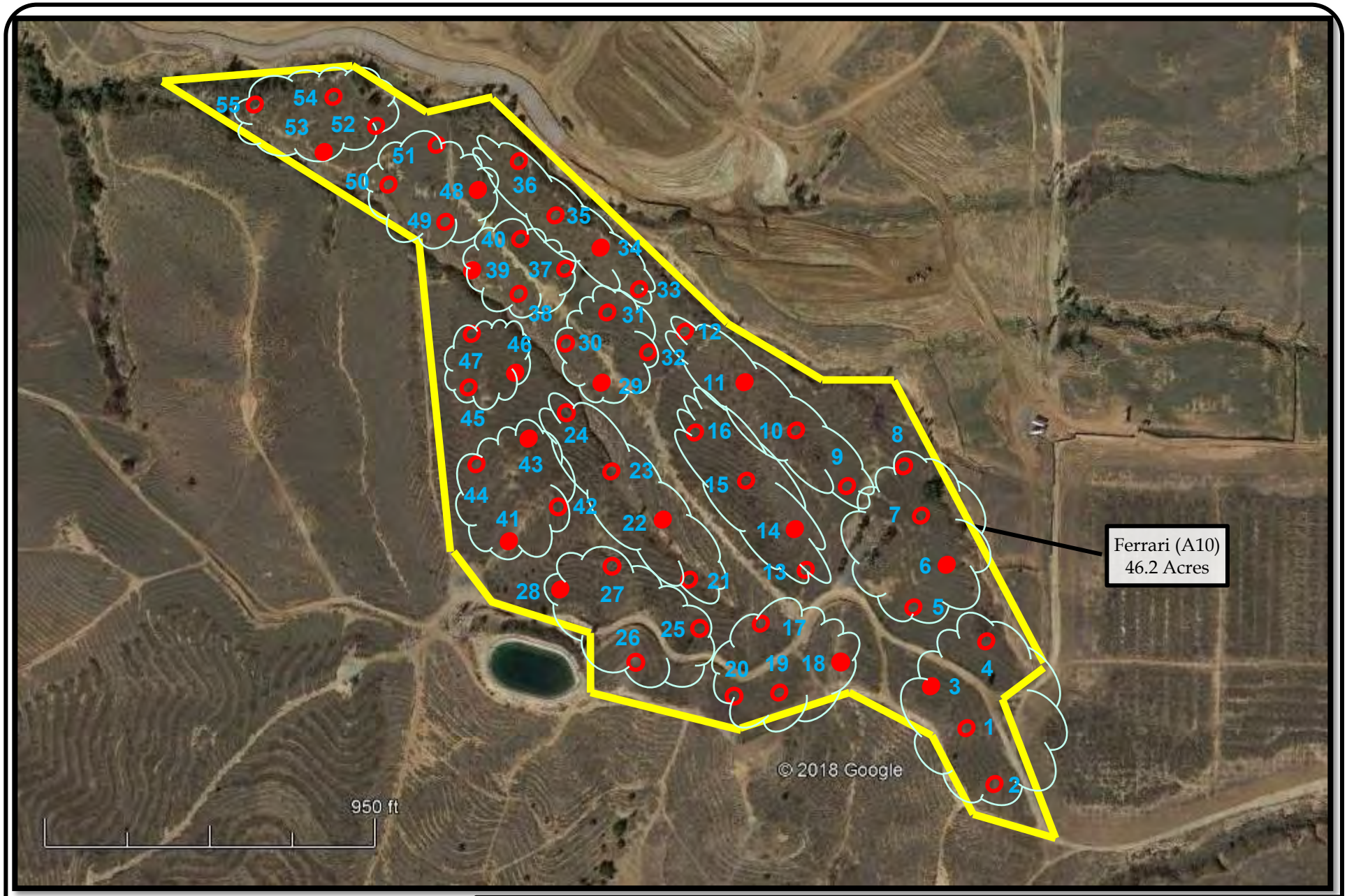
DRAFTED:	
FILE:	
DATE:	09/25/2018

FIGURE: 6



Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

TITLE: **Ferrari (A10)**

LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

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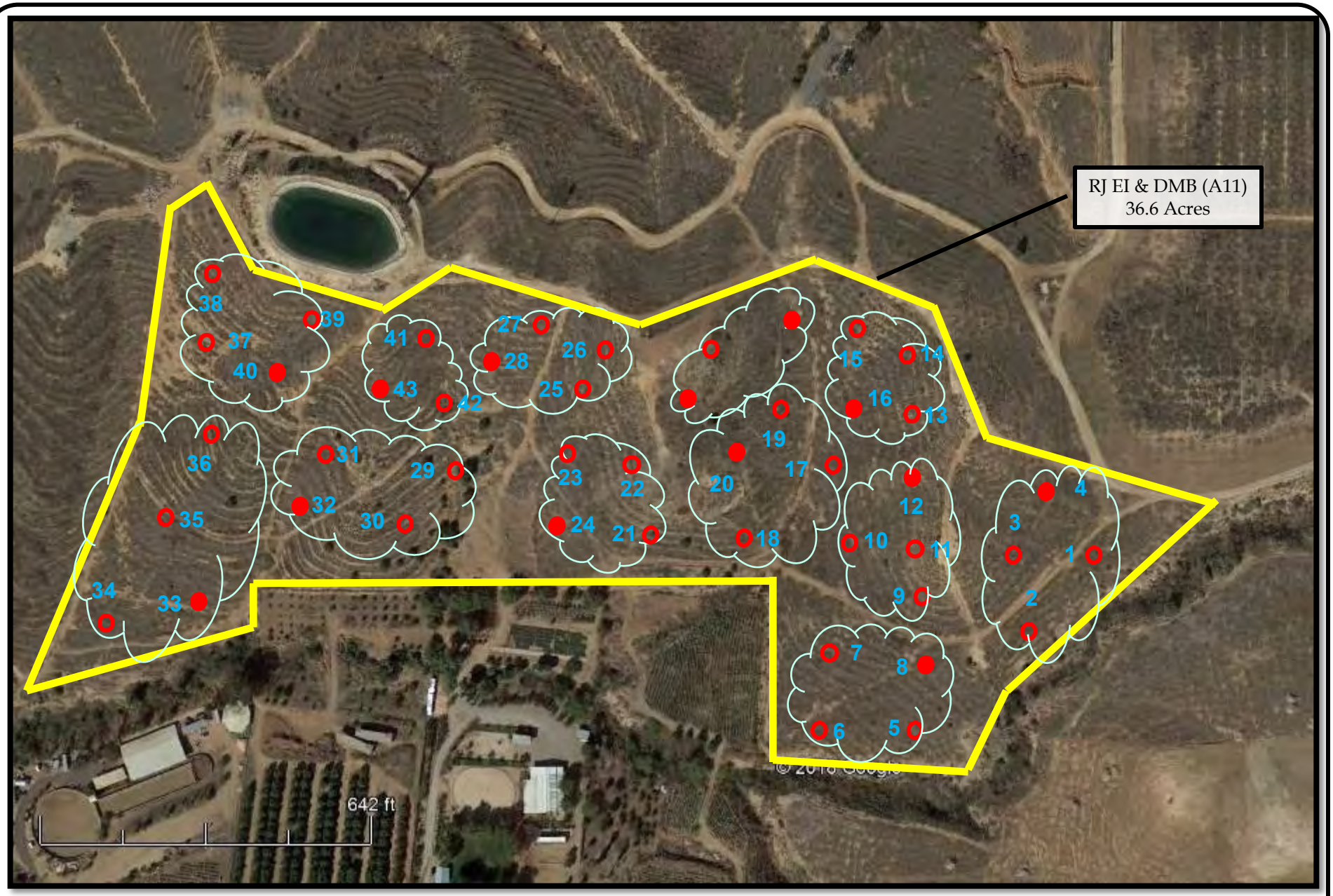
DRAFTED:	
FILE:	
DATE:	09/25/2018

FIGURE: 7



Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

TITLE: **RJ EI & DMB (A11)**

LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

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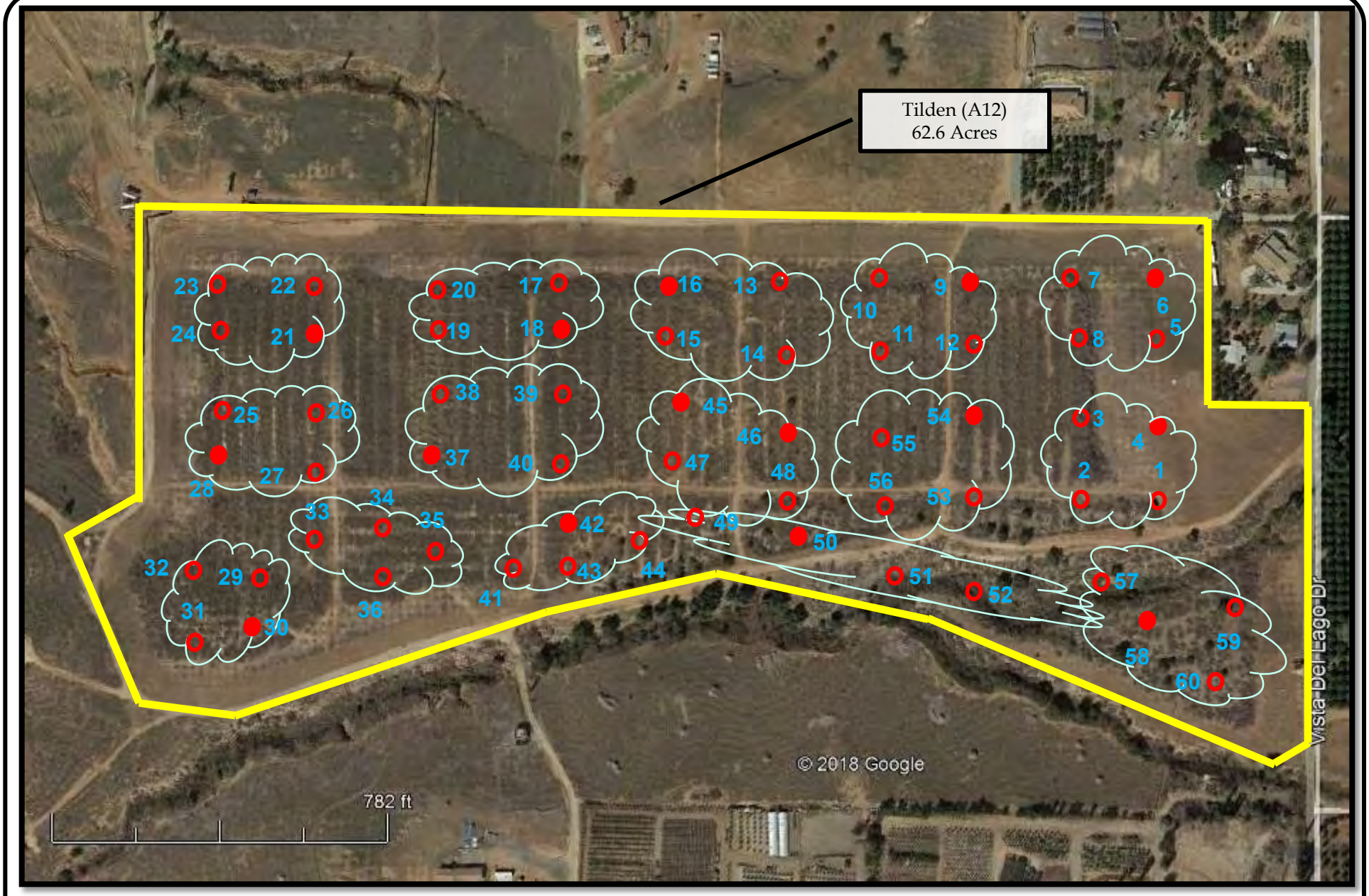
FILE:	
DATE:	09/25/2018

FIGURE: **8**



Legend:

- Property Boundary
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

TITLE: **Tilden (A12)**

LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

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DRAFTED:	
FILE:	
DATE:	09/25/2018

FIGURE: 9

APPENDIX A

McAlister
GeoScience
13555 Fiji Way Marina del Rey, California 90292 (714) 423-3796

June 17, 2015

Foremost Management, LLC.
4590 MacArthur Boulevard, Suite 600
Newport Beach, California 92660

Attention: John Gabbard

Subject: Phase I / II Environmental Site Assessment
Victoria Heights, Riverside, California

Dear Mr. Gabbard:

Attached is one electronic copy of the Phase I/ II Environmental Site Assessment report for the property identified by the following Assessor's Parcel Numbers (APNs) and known as the Victoria Heights Development (the Subject Property).

270-160-005 (Amsbry, 28.6 Acres)
270-080-019 (Amsbry, 0.1 Acres)
270-080-020 (Amsbry, 1.0 Acres)
270-808-021 (Amsbry, 5.0 Acres)
270-070-005 (Bosch, 21.1 Acres)
270-070-002 (Cardey, 43.4 Acres)
270-070-006 (Ferrari, 17.3 Acres)
270-070-007 (Ferrari, 28.9 Acres)
270-060-005 (RJ El Sobrante, LLC, 5.2 Acres)
270-060-009 (RJ El Sobrante, LLC, 19.1 Acres)
270-070-001 (RJ El Sobrante, LLC, 13.4 Acres)
270-160-004 (RJ El Sobrante, LLC, 26.5 Acres)
270-160-006 (RJ El Sobrante, LLC, 11.0 Acres)
270-160-025 (RJ El Sobrante, LLC, 4.7 Acres)
270-160-008 (DMB San Juan Inv., 25.6 Acres)
270-060-001 (Ersek, 9.12 Acres)
270-060-016 (Garcia, 4.8 Acres)
270-060-013 (Katelaris, 12.8 Acres)
270-150-001 (T&S Investment, 62.6 Acres)
270-140-001 (Doan, 8.0 Acres)
270-160-009 (Doan, 7.4 Acres)

McAlister GeoScience appreciates the opportunity to provide this report to Foremost Management, LLC. Please contact me should you have any questions about the report.

Sincerely,

David McAlister

Phase I/II Environmental Site Assessment Report

Victoria Heights
Approximately 345.1 acres of land
Riverside County, California

June 17, 2015

Prepared for:

Foremost Management, LLC.
4590 MacArthur Boulevard, Suite 600
Newport Beach, California 92660

Prepared by:

McAlister GeoScience
13555 Fiji Way
Marina del Rey, California 90292

David McAlister

EXECUTIVE SUMMARY

McAlister GeoScience was retained by Foremost Management, LLC (the Client) to conduct a Phase I/II environmental site assessment (Phase I/II ESA) for the property comprised of approximately 345.1 acres of land northwest of the intersection of El Sobrante Road and Vista Del Lago Drive in Riverside County, California (the Subject Property). McAlister GeoScience understands that the Client is planning to acquire the Subject Property for the purpose of developing single family residential units.

The Subject Property consists of undeveloped land with native grasses and dirt roads. Near the central portion of the Subject Property, within the Ferrari portion, a single residential home exists. This single family home is surrounded with a chain-link fence and razor wire; thusly, access to this structure was not possible during the site reconnaissance. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed. Site features are identified on Figure 2. Photographs taken during the site reconnaissance are included in Appendix A.

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. Orchards in the northwestern and central portion of the Subject Property appear to have been cleared in the 2005 aerial photograph. The Subject Property appears in the aerial photographs as observed during the site reconnaissance from 2006 to 2012.

One area of dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

A total of two wells were observed on the Subject Property. One groundwater well was observed on the western side of the RJ El section of the Subject Property. The well appeared to be constructed with an approximately five-foot diameter concrete casing and a vertical turbine pump. The depth to water at the time of the Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. At the time of the site inspection, the well was open with the concrete lid slid half-way across the top of the casing and the motor for the vertical turbine pump had been removed.

One well was located within a pump house in the western portion of the Subject Property. The well was not accessible to gauge depth to water or total depth; however, the well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump.

Two suspected water tanks were located on the eastern side of the Subject Property. No visible staining or stressed vegetation was observed; therefore, there was no evidence of prior leakage and soil or groundwater impacts. One above ground storage tank was observed in the southeastern portion of the separated, northeastern Amsbry section of the Subject Property.

The immediate surroundings consisted of unimproved land with native grasses and dirt roads. There are rural residential homes and agricultural properties surrounding the Subject Property.

A total 30 soil samples were collected from each of 15 borings advanced to a maximum depth of five feet bgs in the areas of the former agricultural chemical usage, dumping of household trash, and adjacent to observed ASTs on the Subject Property. Samples from the surface of each boring were submitted to an analytical laboratory for analysis on an expedited turnaround time and samples from total depth were submitted to the analytical laboratory on hold pending the results of the surface samples.

One additional soil sample was collected utilizing hand digging techniques in the area of observed dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

Concentrations of metals detected in soil underlying the piles of household trash located at the Subject Property are within range of naturally occurring California soils and are below the respective residential CHHSL values for soil. Organochloride pesticides appear to have been used at the Subject Property; however, the concentrations remaining in soil are below the residential CHHSL values for soil and therefore no further action is warranted or necessary at this time.

Based on findings of the Phase I/II ESA performed, McAlister GeoScience found no *Recognized Environmental Conditions* in connection with the Subject Property.

During the removal of household trash from the Subject Property a limited volume of soil should be removed from the area of dumped five-gallon buckets in the ravine at the northwest portion of the Subject Property. Following this limited excavation; confirmation samples should be collected to verify the successful removal of this impacted soil.

Based on the information gathered during the performance of this assessment, and the understanding of current regulatory guidelines and judgment, the following recommendations are presented for consideration:

- A Storm Water Pollution Prevention Plan (SWPPP) for the Subject Property should be prepared and implemented in accordance with applicable regulations prior to any grading activities;
- In the event of any future construction and/or excavation activities at the Subject Property, dust suppression may be necessary during construction activities; and
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping.

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Appendix E Boring Logs and Field Observations
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Appendix G McAlister GeoScience Statement of Qualifications

1.0 INTRODUCTION

McAlister GeoScience was retained by Foremost Management, LLC (the Client) to conduct a Phase I/II environmental site assessment (Phase I ESA) for the property comprised of approximately 345.1 acres of land northwest of the intersection of El Sobrante Road and Vista Del Lago Drive in Riverside County, California (the Subject Property). McAlister GeoScience understands that the Client is planning to acquire the Subject Property for the purpose of developing single family residential units.

The Phase I ESA work for this project was conducted pursuant to authorization of the scope of work, assumptions, and terms and conditions set forth in the McAlister GeoScience proposal dated May 27, 2015, and in accordance with the scope of work and limitations of the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, designation E1527-13.

The purpose of this Phase I ESA was to assess, to the extent feasible, *Recognized Environmental Conditions* in connection with the Subject Property. *Recognized Environmental Conditions* is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. *De minimis* conditions are not recognized environmental conditions.

Figures depicting the Subject Property and vicinity are found in the "Figures" section at the end of this report. Figure 1 is a site location map showing the location of the Property. Figure 2 is a site plan showing additional detail and site features. Color copies of photographs taken during the site reconnaissance are found in Appendix A.

1.1 Limiting Factors

Limiting factors were not encountered during the course of this Phase I ESA.

1.2 Assumptions

For the purposes of this assessment, McAlister GeoScience has made the following assumptions:

- Information provided during any interview (written or oral) was accurate and correct;
- Database information reviewed was accurate and correct;
- Historical information reviewed was accurate and correct;
- Information reviewed at any governmental agency was accurate and correct;
- Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites are assumed based on contours depicted on the United States Geological Survey (USGS) Topographic Maps; and
- The property has been correctly and accurately identified by the client, client representatives, property contact, property owner, and/or property representatives.

1.3 Project Limitations

This assessment is limited to the standards set forth in 40 CFR Part 312. This assessment specifically excludes assessment of the following:

- Asbestos and asbestos-containing materials;
- Lead and lead-containing materials;
- Radon;
- Indoor air quality;
- Wetlands;
- Regulatory compliance;
- Cultural and historic resources;
- Air emissions;
- Industrial hygiene;
- Health and safety;
- Ecological resources;
- Endangered species;
- Biological agents, Mold; and
- Noise.

There are other limitations on completeness of information for this assessment. They are provided and documented on a case-by-case basis throughout this document.

The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluation. The conclusions presented in this report are based solely on the services described herein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This is subject to the limitations of historical documentation, availability, and accuracy of pertinent records and the personal recollections of those persons contacted. As applicable, McAlister GeoScience has relied in good faith upon representations and information furnished by individuals with respect to operations and existing property conditions, to the extent that they have not been contradicted by data obtained from other sources. Accordingly, McAlister GeoScience accepts no responsibility for any deficiencies, omissions, misrepresentations, or fraudulent acts of persons interviewed.

Property conditions, as well as local, state, tribal, and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that the inferences made are reasonably representative of the property. McAlister GeoScience makes no warranty, express or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified by ASTM as beyond the scope of a Phase I ESA that may affect business environmental risk at a given property include the following: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, mold, vapor intrusion, and high voltage lines. These environmental issues or conditions may warrant assessment based on the type of property transaction; however, they are considered non-scope issues under ASTM Standard Practice E1527-13.

This Phase I ESA is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. The assessment is not intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use and environmental liens. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit. Responses received from local, state, or federal agencies or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions, or circumstances to the report. A change in any fact, circumstance, or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions, and recommendations expressed in this report.

1.4 Professionals

This document has been prepared by an Environmental Professional as defined by the EPA, 40 CFR Part 312.10. All work performed for this assessment was performed by or under the direct supervision of an Environmental Professional.

1.5 Data Gaps

The ASTM Standard defines a data gap as "a lack of or inability to obtain information required by the practice despite good faith efforts by the environmental professional to gather such information." A data gap is only significant if other information obtained during the ESA, or professional experience, raises reasonable concerns and affects the ability of the environmental professional to identify whether a given issue is a REC. The ASTM Standard requires that the ESA report identify and comment on significant data gaps. Near the central portion of the Subject Property, within the Ferrari portion, a single residential home exists. This single family home is surrounded with a chain-link fence and razor wire; thusly, access to this structure was not possible during the site reconnaissance. This lack of access comprises the only data gap encountered during this investigation.

2.0 Property Description

2.1 Property Location and Description

Approximately 345.1 acres of land northwest of the intersection of El Sobrante Road and Vista Del Lago Drive in Riverside County, California. Assessor's Parcel Numbers (APNs):

270-160-005 (Amsbry, 28.6 Acres)
270-080-019 (Amsbry, 0.1 Acres)
270-080-020 (Amsbry, 1.0 Acres)
270-808-021 (Amsbry, 5.0 Acres)
270-070-005 (Bosch, 21.1 Acres)
270-070-002 (Cardey, 43.4 Acres)
270-070-006 (Ferrari, 17.3 Acres)
270-070-007 (Ferrari, 28.9 Acres)
270-060-005 (RJ El Sobrante, LLC, 5.2 Acres)
270-060-009 (RJ El Sobrante, LLC, 19.1 Acres)
270-070-001 (RJ El Sobrante, LLC, 13.4 Acres)
270-160-004 (RJ El Sobrante, LLC, 26.5 Acres)
270-160-006 (RJ El Sobrante, LLC, 11.0 Acres)
270-160-025 (RJ El Sobrante, LLC, 4.7 Acres)
270-160-008 (DMB San Juan Inv., 25.6 Acres)
270-060-001 (Ersek, 9.12 Acres)
270-060-016 (Garcia, 4.8 Acres)
270-060-013 (Katelaris, 12.8 Acres)
270-150-001 (T&S Investment, 62.6 Acres)
270-140-001 (Doan, 8.0 Acres)
270-160-009 (Doan, 7.4 Acres)

2.2 Site and Vicinity Characteristics

2.2.1 General Property Type and Use

The Subject Property consists of undeveloped land with native grasses and dirt roads. Near the central portion of the Subject Property, within the Ferrari portion, a single residential home exists. This single family home is surrounded with a chain-link fence and razor wire; thusly, access to this structure was not possible during the site reconnaissance. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed.

2.2.2 General Type and Use of Surrounding Areas

The immediate surroundings consisted of unimproved land with native grasses and dirt roads. There are rural residential homes and agricultural properties surrounding the Subject Property.

2.2.3 Subject Property Size

Approximately 345.1 acres.

2.2.4 Number and Size of Buildings on Site

The single residential structure observed in the central portion of the Subject Property appeared to be approximately 3,000 square feet in size with one small out building newly constructed, approximately 400 square feet in size. The Riverside County Assessor's website lists the improvements to this portion of the Subject Property as a two bedroom, one bathroom structure with a total of 924 square feet.

2.2.5 Construction Date

The construction date of the buildings in the central portion of the Subject Property is 1962 according to the Riverside County Assessor's website.

2.2.6 Tenants

The number of tenants within the residential structure in the central portion of the Subject Property is unknown.

2.2.7 Areas Assessed

The Subject Property and adjacent land was visually assessed to the extent practical from perimeter locations and roads on the Subject Property. Additional observations, as necessary, were made on-foot.

2.2.8 Topography

The surface of the Subject Property is approximately 1,405 ft. above mean sea level. The Subject Property gradually slopes slightly down to the northwest.

2.2.9 Surface Water

Surface water was present in a holding pond managed by the Western Municipal Water District for irrigation purposes in the central portion of the Subject Property. No other surface water was observed during the site reconnaissance. Various dry seasonal drainages are located along the northern and southern property boundaries.

2.2.10 Groundwater

Depth to First Groundwater:	Depth to groundwater at the Subject Property is approximately 20 feet below ground surface.
Regional Flow Direction:	The regional groundwater flow direction is expected to be to the west.
Information Sources:	7.5-minute EDR Topographic Maps; DWR 1970.

2.2.11 Geologic Setting

The Subject Property is located in the Arlington Sub-basin of the hydrogelogic sub-area of the Upper Santa Ana River Basin. Specifically, the Subject Property is located in the Upper Santa Ana Valley within the floodplain of the Santa Ana River. The Santa Ana River is located approximately seven miles north of the Subject Property. The Upper Santa Ana Valley is bounded on the north and northeast by the San Gabriel and San Bernardino Mountains. The Upper Santa Ana Valley is characterized by thick alluvial deposits forming south of these mountain ranges (DWR, 1961).

According to the database report, soils in the vicinity of the Subject Property are comprised of Fallbrook sandy loam. The Fallbrook soil exhibits slow infiltration rates with moderately fine or fine textures. The database report also identified the Cajalco fine sandy loam on the eastern portion of the Subject Property. The Cajalco soil exhibits slow infiltration rates. The Cajalco soil characteristically exhibits layers that impede downward movement of water and is described to exhibit moderately fine or fine textures.

2.2.12 Potable Water Supply

Potable water was not supplied to the Subject Property at the time of the site reconnaissance.

2.2.13 Sanitary Sewer System

Sanitary Sewer was not supplied to the Subject Property at the time of the site reconnaissance.

3.0 Historic Use Information

The following is a list of historical site use information sources reviewed as part of this Assessment.

- Aerial Photographs: 1938 – 2012 Provided by EDR (Appendix B);
- Topographic Maps: 1901 – 1997 Provided by EDR (Appendix B);
- Sanborn Fire Insurance Maps: Sanborn Fire Insurance Maps were not available; and
- Interviews: Property Owners.

3.1 Summary of Prior Uses – The Property

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. Orchards in the northwestern and central portion of the Subject Property appear to have been cleared in the 2005 aerial photograph. The Subject Property appears in the aerial photographs as observed during the site reconnaissance from 2006 to 2012.

3.2 Summary of Prior Uses – Adjacent and Surrounding Properties

Prior to the mid-1960s, the area surrounding the Subject Property was undeveloped becoming increasingly developed as orchards with the development of Lake Matthews to the south in the late-1930s / early-1940s. The area surrounding the Subject Property appears as fully developed as orchards from the mid-1960s through the early-2000s when the surrounding area begins to be developed for residential purposes.

3.3 Previous Environmental Reports

No previous environmental reports were supplied to McAlister GeoScience for review during the course of this investigation.

3.4 Other Sources of Information

Several state and local information sources were reviewed for the Subject Property through a review of online sources.

3.4.1 California EPA, Department of Toxic Substances Control (Cal-EPA DTSC)

The online DTSC database, EnviroStor was reviewed. No release sites were listed within ½ mile of the Subject Property.

3.4.3 California Regional Water Quality Control Board – Los Angeles (RWQCB)

The online RWQCB database, GeoTracker was reviewed. No release sites were listed within ½ mile of the Subject Property.

3.4.4 California State Fire Marshal, Pipeline Safety Division

The online NPMS database, GeoTracker was reviewed. There were no properties listed within ½ mile of the Subject Property.

3.4.5 State of California Department of Conservation Department of Oil, Gas, and Geothermal Resources (DOGGR)

The online mapping system maintained by the State of California Department of Oil, Gas, and Geothermal Resources (DOGGR) for the immediate vicinity of the Subject Property was reviewed. There were no wells listed within ½ mile of the Subject Property.

3.4.6 Riverside County Transportation and Land Management Agency

Several planning permits were reviewed on the Riverside County Transportation and Land Management Agency website. All permits reviewed were for planning cases associated with the conversion of the Subject Property from agricultural use to residential development. No building, plumbing, grading, or electrical permits were available for the Subject Property.

4.0 Interviews

Interviews were conducted in accordance with Code of Federal Regulations (CFR) 40 CFR § 312.30 requiring the Environmental Professional conducting the Phase I ESA to take into account commonly known info, including that of the user of the report. Additionally, 40 CFR §§ 312.22(a)(2) and (a)(4), and 40 CFR §§ 312.28, 312.30, and 312.31, require reviewing knowledge of the buyer. Also included in the interview, in accordance with 40 CFR §§ 312.22(a)(3) and 312.29, interviews included consideration of the relationship of the purchase price to the fair market value as an indicator of RECs. The Subject Property is comprised of several individual owners, each of which was supplied with a questionnaire. A summary of the various responses is summarized below and copies of the completed questionnaires are included in Appendix D.

4.1 RJ El Sobrante, LLC.

The questionnaire for this section of the Subject Property was completed by Jeremy Laster, the owner of this section of the Subject Property since 2005. No potential impacts to soil and / or groundwater were identified in this interview.

4.2 DMB San Juan Investment North, LLC.

The questionnaire for this section of the Subject Property was completed by Jeremy Laster, the owner of this section of the Subject Property since 2006. No potential impacts to soil and / or groundwater were identified in this interview.

4.3 Bosch Properties, LLC.

The questionnaire for this section of the Subject Property was completed by Dan Bosch, the owner of this section of the Subject Property since 1959 with a brief ownership by a residential developer from 2004 to 2007. No potential impacts to soil and / or groundwater were identified in this interview. Mr. Bosch stated that the citrus trees were removed from the Subject Property in 2008. Mr. Bosch also confirmed the normal use of fertilizers and pesticides for citrus production on this section of the Subject Property.

4.4 FH & VA Amsbry Family Trust

The questionnaire for this section of the Subject Property was completed by Mike Amsbry, the owner of this section of the Subject Property since 1997. No potential impacts to soil and / or groundwater were identified in this interview.

4.5 Ersek

The questionnaire for this section of the Subject Property was completed by Julie J. Agin and Andrew Ersek, the owner of this section of the Subject Property since 1998. No potential impacts to soil and / or groundwater were identified in this interview. The owner reported that citrus trees were on the property from at least the 1970s and that fertilizer and / or pesticides for growing oranges may have been used.

5.0 Information from site reconnaissance

The following is a summary of observations made during the site reconnaissance.

5.1 Date of Reconnaissance

June 3, 2015

5.2 Activities/Processes Conducted at the Property

The Subject Property consists of undeveloped land with native grasses and dirt roads. Near the central portion of the Subject Property, within the Ferrari portion, a single residential home exists. This single family home is surrounded with a chain-link fence and razor wire; thusly, access to this structure was not possible during the site reconnaissance. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed. Site features are identified on Figure 2. Photographs taken during the site reconnaissance are included in Appendix A.

5.3 Adjacent Property Uses

The areas immediately adjacent to the Subject Property are summarized below.

North: The Subject Property is bordered to the north by unimproved land currently being graded for residential development.

West: The Subject Property is bordered to the west by vacant land, formerly developed as citrus groves and some rural residential homes.

East: The Subject Property is bordered to the east by unimproved land with some rural residential homes and commercial nursery operations.

South: The Subject Property is bordered to the south by commercial nursery operations including green houses, former citrus orchards, and El Sobrante Road.

At the time of the site reconnaissance, none of the adjacent properties appeared to be of concern for soil and / or groundwater impacts at the Subject Property.

5.4 Potentially Hazardous Chemicals Observed or Known to be Present at the Subject Property

One area of dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property. Additionally, several areas of discarded household trash and some areas of trash burning were observed in the southeast portion of the Cardey section of the Subject

Property and in the southwest portion of the Ferrari section of the Subject Property. These areas are identified on Figure 2.

For properties with a history of agriculture use, such as the Subject Property, many underground irrigation or drainage pipes may exist. Some pipes may be constructed of asbestos-containing material such as "Transite" brand asbestos concrete pipe. At least one of these pipes was observed during the site reconnaissance.

5.4.1 Petroleum Products Observed or Known to be Present at the Subject Property

One area of dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

5.5 On-site Roads and Parking Areas

All roads and parking areas on the Subject Property are unpaved dirt roads without storm water or airborne dust management measures in place. Photos are included in Appendix A.

5.6 Above Ground Tanks

Two suspected water tanks were located on the eastern side of the Subject Property. No visible staining or stressed vegetation was observed; therefore, there was no evidence of prior leakage and soil or groundwater impacts. One above ground storage tank was observed in the southeastern portion of the separated, northeastern Amsbry section of the Subject Property. Tank locations are identified on Figure 2.

5.7 Underground Tanks

There were no indication of underground storage tanks observed during the site reconnaissance.

5.8 Unusual or Noxious Odors

Unusual or noxious odors were not noticed during the site reconnaissance.

5.9 Pools of Liquid

Pools of liquid were not observed during the site reconnaissance.

5.10 Pits/Ponds/Lagoons – Exterior, On-site or Neighboring

Surface water was present in a holding pond managed by the Western Municipal Water District for

irrigation purposes in the central portion of the Subject Property. No other surface water was observed during the site reconnaissance. Various dry seasonal drainages are located along the northern and southern property boundaries.

5.11 Transformers or PCB-Suspect Hydraulic Systems

One pole-mounted transformer was located on the western side of the RJ El section of the Subject Property. A second pole-mounted transformer was observed adjacent to the residential property in the central portion of the Subject Property. No leaking or staining was observed in the area surrounding these transformers.

5.12 Stained Soil or Pavement

Stained soil or pavement was not observed during the site reconnaissance.

5.13 Stressed Vegetation

Stressed vegetation was not observed during the site reconnaissance.

5.14 Discharges to Drains, Ditches, or Streams

Storm water at the Subject Property will flow in to the natural drainages across the undeveloped land.

5.15 Wells

A total of two wells were observed on the Subject Property. One groundwater well was observed on the western side of the RJ El section of the Subject Property. The well appeared to be constructed with an approximately five-foot diameter concrete casing and a vertical turbine pump. The depth to water at the time of the Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. At the time of the site inspection, the well was open with the concrete lid slid half-way across the top of the casing and the motor for the vertical turbine pump had been removed.

One well was located within a pump house in the western portion of the Subject Property. The well was not accessible to gauge depth to water or total depth; however, the well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump.

5.16 Leach Fields/Septic Tanks/Cesspools

Leach fields, septic tanks, or cesspools were not observed during the site reconnaissance; however, it is expected that a septic system is associated with the residential structure located in the central portion of the Subject Property.

5.17 Indication of Fill Sites or Dumping

One area of dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property. This area appears to have been artificially filled to provide vehicle access across the ravine.

5.18 Sumps/Pits/Floor Drains

Sumps, pits or floor drains were not observed during the site reconnaissance.

5.19 Buildings or Portions of Buildings

The single residential structure observed in the central portion of the Subject Property appeared to be approximately 3,000 square feet in size with one small out building newly constructed, approximately 400 square feet in size. The Riverside County Assessor's website lists the improvements to this portion of the Subject Property as a two bedroom, one bathroom structure with a total of 924 square feet.

6.0 Regulatory Agency Search/Agency File Review

6.1 Regulatory Agency Database Review

McAlister GeoScience retained Environmental Data Resources, Inc. (EDR) to provide federal, state, and local regulatory agency databases for sites, including the Subject Property, listed within the search distances described in the ASTM Standard Practice for Environmental Site Assessments E 1527-13. These databases provide lists of facilities that use, store or dispose of hazardous substances, as well as sites with known or suspected contaminated soil or groundwater.

The regulatory agency review consisted of acquisition and review of a regulatory agency database search report of regulatory agency files for sites of interest. Selection of sites considered to have a potential to impact the Subject Property was based on the location of a reported release site with respect to its distance from the Subject Property and the reported groundwater flow direction. Generally, reported release sites within 1/4-mile up-gradient, or 1/8 mile cross-gradient or down-gradient of the Subject Property are selected for follow-up file review. Sites listed in the database search report but not identified as a release site (for example, a site listed as a hazardous waste generator but not as having had a release) are not considered to have a potential to impact the soil and/or groundwater at the Subject Property.

The database search report is presented in Appendix C and includes a description of the electronic files searched and associated search distances. Refer to Appendix C for all databases searched by EDR.

The Subject Property was not listed on the databases reviewed.

No National Priorioty List (NPL) (A.K.A. Superfund) sites are listed within 1 mile of the Subject Property, and no California Environmental Response Compensation and Liability Information System (CERCLIS) sites are listed within ½ mile of the Subject Property.

No California Leaking Underground Storage Tank (LUST) sites are listed within ½ mile of the Subject Property.

No California Spills, Leaks, Investigations, and Cleanup (SLIC) sites are listed within ½ mile of the Subject Property.

One California EnviroStor site is listed adjacent and west-northwest of the Subject Property. This site is a proposed school site and is listed with the regulatory status, “No Further Action” and therefore is not considered a threat to soil and / or groundwater at the Subject Property.

One California Federal Inventory Database UST site is located adjacent and to the north of the Subject Property identified as the K-Ranch-Lake Matthews. This site is also listed on the SWEEPS UST and HIST UST databases; however, this site is not listed as a release site and therefore is not considered a threat to soil and / or groundwater at the Subject Property.

7.0 Phase II Investigation

On June 9, 2015 Phase II sampling activities were conducted in an attempt to quantify the potential impacts associated with former activities at the Subject Property.

7.1 Pre-Field Preparation

Prior to conducting field activities, a project-specific health and safety plan (HASP) was developed outlining the various hazards associated with the proposed scope of work. The HASP was developed to cover risks of exposure to potential contaminants as well as biological hazards and physical hazards associated with the performance of the work and the equipment used to complete the work. Additional pre-field activities included coordination with the laboratory and other tasks necessary to ensure a seamless and problem-free field mobilization.

7.2 Sampling Activities

7.2.1 Scope of Assessment

A total 30 soil samples were collected from each of 15 borings advanced to a maximum depth of five feet bgs in the areas of the former agricultural chemical usage, dumping of household trash, and adjacent to observed ASTs on the Subject Property. Samples from the surface of each boring were submitted to an analytical laboratory for analysis on an expedited turnaround time and samples from total depth were submitted to the analytical laboratory on hold pending the results of the surface samples.

One additional soil sample was collected utilizing hand digging techniques in the area of observed dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

7.2.2 Field Explorations and Methods

Boreholes were advanced utilizing a GeoProbe® brand hydraulic direct-push rig to a maximum of five feet bgs or until refusal was reached. Soil samples encased in acetate sleeves utilized in the direct push rods, cut to approximately six-inches in length, and caped with Teflon® sheets and plastic end caps. Samples were labeled and packaged in a self-sealing sample bag which were then placed inside a larger self-sealing sample bag and placed in a cooler utilizing ice as a preservative. Samples were transmitted to SunStar Laboratories, an environmental analytical laboratory certified by the State of California utilizing chain of custody procedures.

Soil samples were field-screened for Volatile Organic Compounds (VOCs) with a Photo Ionization Detector (PID) calibrated to 100 parts per million (ppm) isobutylene and any staining, discoloration, and / or odors were noted. Soil sample locations are identified on Figure 2. Boring logs and field observations are included in Appendix E.

7.2.3 Laboratory Analytical Methods

The laboratory was requested to analyze the samples collected to characterize impacts associated with agricultural chemicals for organochloride pesticides by United States Environmental Protection Agency (EPA) Method 8081 and Arsenic by EPA Method 6010. The laboratory was additionally requested to analyze surface samples for total petroleum carbon chain (TPHcc) analysis by EPA Method 8015 to assess for impacts associated with the potential use of "smudge pots" in the orchard for the prevention of frost. Analysis for TPHcc included silica gel cleanup to eliminate potential false-positives in the motor oil range from naturally occurring fatty acids and lipids.

The laboratory was requested to analyze the samples collected to characterize impacts associated with dumping of household trash, paint, or aboveground storage tanks for California Title 22 metals by EPA Method 6010, TPHcc by EPA Method 8015, and volatile organic compounds (VOCs) by EPA Method 8260.

7.3 Results

Concentrations of TPH in the motor oil range were detected only in the surface soil sample collected from the discarded five-gallon buckets in the ravine on the northwestern portion of the Subject Property. Organochloride Pesticides in the form of DDE and DDT at concentrations ranging from below the detection limit of 5.0 micrograms per kilogram (µg/Kg) to 56 µg/Kg, well below the Residential California Human Health Screening Level (CHHSL) of 1,600 µg/Kg. Arsenic was not detected above the laboratory detection limit in any of the samples analyzed. Concentrations of metals ranged from below the detection limit to 180 milligrams per kilogram (mg/Kg) of Barium. All detections of metals were below their respective CHHSL values.

During the removal of household trash from the Subject Property a limited volume of soil should be removed from the area of dumped five-gallon buckets in the ravine at the northwest portion of the Subject Property. Following this limited excavation; confirmation samples should be collected to verify the successful removal of this impacted soil.

Concentrations of metals detected in soil underlying the piles of household trash located at the Subject Property are within range of naturally occurring California soils and are below the respective residential CHHSL values for soil. Organochloride pesticides appear to have been used at the Subject Property; however, the concentrations remaining in soil are below the residential CHHSL values for soil and therefore no further action is warranted or necessary at this time.

8.0 Summary, Conclusion, and Recommendations

8.1 Summary

The Subject Property consists of undeveloped land with native grasses and dirt roads. Near the central portion of the Subject Property, within the Ferrari portion, a single residential home exists. This single family home is surrounded with a chain-link fence and razor wire; thusly, access to this structure was not possible during the site reconnaissance. It is apparent that the Subject Property was formerly developed as an orchard; however, has been devoid of trees and fallow for many years. Several areas of unauthorized dumping of household trash were observed. Site features are identified on Figure 2. Photographs taken during the site reconnaissance are included in Appendix A.

The 1938 through 1953 aerial photographs show the Subject Property as undeveloped land. The Subject Property appears in the aerial photographs to be completely developed with orchards from the late-1960s through the mid-1990s. Orchards in the northwestern and central portion of the Subject Property appear to have been cleared in the 2005 aerial photograph. The Subject Property appears in the aerial photographs as observed during the site reconnaissance from 2006 to 2012.

One area of dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

A total of two wells were observed on the Subject Property. One groundwater well was observed on the western side of the RJ El section of the Subject Property. The well appeared to be constructed with an approximately five-foot diameter concrete casing and a vertical turbine pump. The depth to water at the time of the Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. At the time of the site inspection, the well was open with the concrete lid slid half-way across the top of the casing and the motor for the vertical turbine pump had been removed.

One well was located within a pump house in the western portion of the Subject Property. The well was not accessible to gauge depth to water or total depth; however, the well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump.

Two suspected water tanks were located on the eastern side of the Subject Property. No visible staining or stressed vegetation was observed; therefore, there was no evidence of prior leakage and soil or groundwater impacts. One above ground storage tank was observed in the southeastern portion of the separated, northeastern Amsbry section of the Subject Property.

The immediate surroundings consisted of unimproved land with native grasses and dirt roads. There are rural residential homes and agricultural properties surrounding the Subject Property.

A total 30 soil samples were collected from each of 15 borings advanced to a maximum depth of five feet bgs in the areas of the former agricultural chemical usage, dumping of household trash, and adjacent to observed ASTs on the Subject Property. Samples from the surface of each boring were submitted to an analytical laboratory for analysis on an expedited turnaround time and samples from total depth were submitted to the analytical laboratory on hold pending the results of the surface samples.

One additional soil sample was collected utilizing hand digging techniques in the area of observed dumping of five gallon buckets formerly containing paint and possibly motor oil were observed in the northwestern portion of the Subject Property along the area that crosses a ravine on the Garcia section of the Subject Property.

Concentrations of metals detected in soil underlying the piles of household trash located at the Subject Property are within range of naturally occurring California soils and are below the respective residential CHHSL values for soil. Organochloride pesticides appear to have been used at the Subject Property; however, the concentrations remaining in soil are below the residential CHHSL values for soil and therefore no further action is warranted or necessary at this time.

Soil, soil vapor, and groundwater are not expected to be impacted at the Subject Property or surrounding properties and therefore a Vapor Intrusion Condition (VIC) is not expected to exist at the Subject Property. Accordingly, a vapor intrusion assessment in accordance with ASTM Standard E2600-08, Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions, is not warranted or necessary for the Subject Property.

8.2 Conclusions

McAlister GeoScience has performed a Phase I ESA of the Subject Property in conformance with the scope and limitations of ASTM Practice E 1527. Any exceptions to, or deletions from, this practice are described in the *Limiting Factors, Project Limitations,* and *Data Gaps* sections of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

8.3 Recommendations

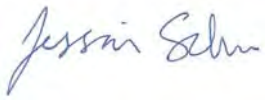
During the removal of household trash from the Subject Property a limited volume of soil should be removed from the area of dumped five-gallon buckets in the ravine at the northwest portion of the Subject Property. Following this limited excavation; confirmation samples should be collected to verify the successful removal of this impacted soil.

Based on the information gathered during the performance of this assessment, and the understanding of current regulatory guidelines and judgment, the following recommendations are presented for consideration:

- A Storm Water Pollution Prevention Plan (SWPPP) for the Subject Property should be prepared and implemented in accordance with applicable regulations prior to any grading activities;
- In the event of any future construction and/or excavation activities at the Subject Property, dust suppression may be necessary during construction activities; and
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping.

9.0 Signatures of Environmental Professionals

Ms. Jessica Schem performed the Site reconnaissance, compiled report data, and wrote portions of the Phase I ESA report. Mr. David McAlister provided technical review. The signatures of Ms. Schem and Mr. McAlister are included in this Section of the report.



Jessica Schem
Staff Scientist

David C. McAlister
Environmental Professional

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in ASTM Standard Practice E 1527-13 and 40 CFR § 312.10 in accordance with 40 CFR § 312.21(d). We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in ASTM Standard Practice E 1527-13.

10.0 References

American Society for Testing and Materials (ASTM) 2013. Practice E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

American Society for Testing and Materials (ASTM) 2011. Practice E 1903-11 Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process.

California Department of Water Resources (DWR). *Meeting Water Demands in the Chino-Riverside Area, Bulletin 104-3, Appendix A: Water Supply.* September 1970.

Environmental Data Resources, Inc,. *The EDR – Radius Map*, Inquiry No. 4316390 June 4, 2015.

Environmental Data Resources, Inc. *The EDR – Aerial Photography Print Service*, Inquiry No. 4316390 June 4, 2015.

Environmental Data Resources, Inc. *The EDR –Historical Topographic Map Report (USGS Los Angeles CA 7.5 minute)*, Inquiry No. 4316390 June 4, 2015.

Google Earth - http://earth.google.com/

Riverside County Assessor's Website - http://www.asrclkrec.com/Assessor/PropertyDataCenter.aspx

State of California Water Resources Control Board, GeoTracker Online Database - http://geotracker.swrcb.ca.gov/

State of California Department of Toxic Substances Control, EnviroStor online Database – http://envirostor.dtsc.ca.gov/

State of California Department of Conservation, Division of Oil, Gas, & Geothermal Resources (DOGGR) online Well Finder Database – maps.conservation.ca.gov/doggr/index.html

TABLE

TABLE 1
Soil Sampling Results
Victoria Heights, Riverside County, California

Sample	TPHo	Organochloride Pesticides		Barium	Chromium	Cobalt	Copper	Lead	Nickel	Vanadium	Zinc
	(8015B)	(8081)		(6010)							
		4-4'-DDE	4-4'-DDT								
	(mg/Kg)	(µg/Kg)	(µg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Benchmark Metal Concentrations	**N/A**			**509**	**122**	**14.9**	**28.7**	**23.9**	**57**	**112**	**149**
	N/A			**1,400**	**1,579**	**46.9**	**96.4**	**97.1**	**509**	**288**	**236**
Screening Level	**100**	**1,600**	**1,600**	**5,200**	**17**	**660**	**3,000**	**80**	**1,600**	**530**	**23,000**
B1@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B2@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B3@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	180	ND (<2.0)	7.4	ND (<1.0)	ND (<3.0)	ND (<2.0)	19	48
B5@0.5	ND (<10)	31	11	NA	NA	NA	NA	NA	NA	NA	NA
B6@0.5	ND (<10)	56	32	NA	NA	NA	NA	NA	NA	NA	NA
B7@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	93	11	7.4	9.0	ND (<3.0)	7.1	24	22
B9@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B10	54	ND (<5.0)	ND (<5.0)	60	6.9	4.4	14	20	4.1	17	60
B12@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B13@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B14@0.5	ND (<10)	12	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B15@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA
B16@0.5	ND (<10)	ND (<5.0)	ND (<5.0)	NA	NA	NA	NA	NA	NA	NA	NA

Note:

mg/Kg - Milligrams per Kilogram

µg/Kg - Micrograms per kilogram

ND(<5.0) - Not Detected at the detection limit indicated

NA - Not Analyzed

TPHo - Total Petroleum Hydrocarbons, Oil Range

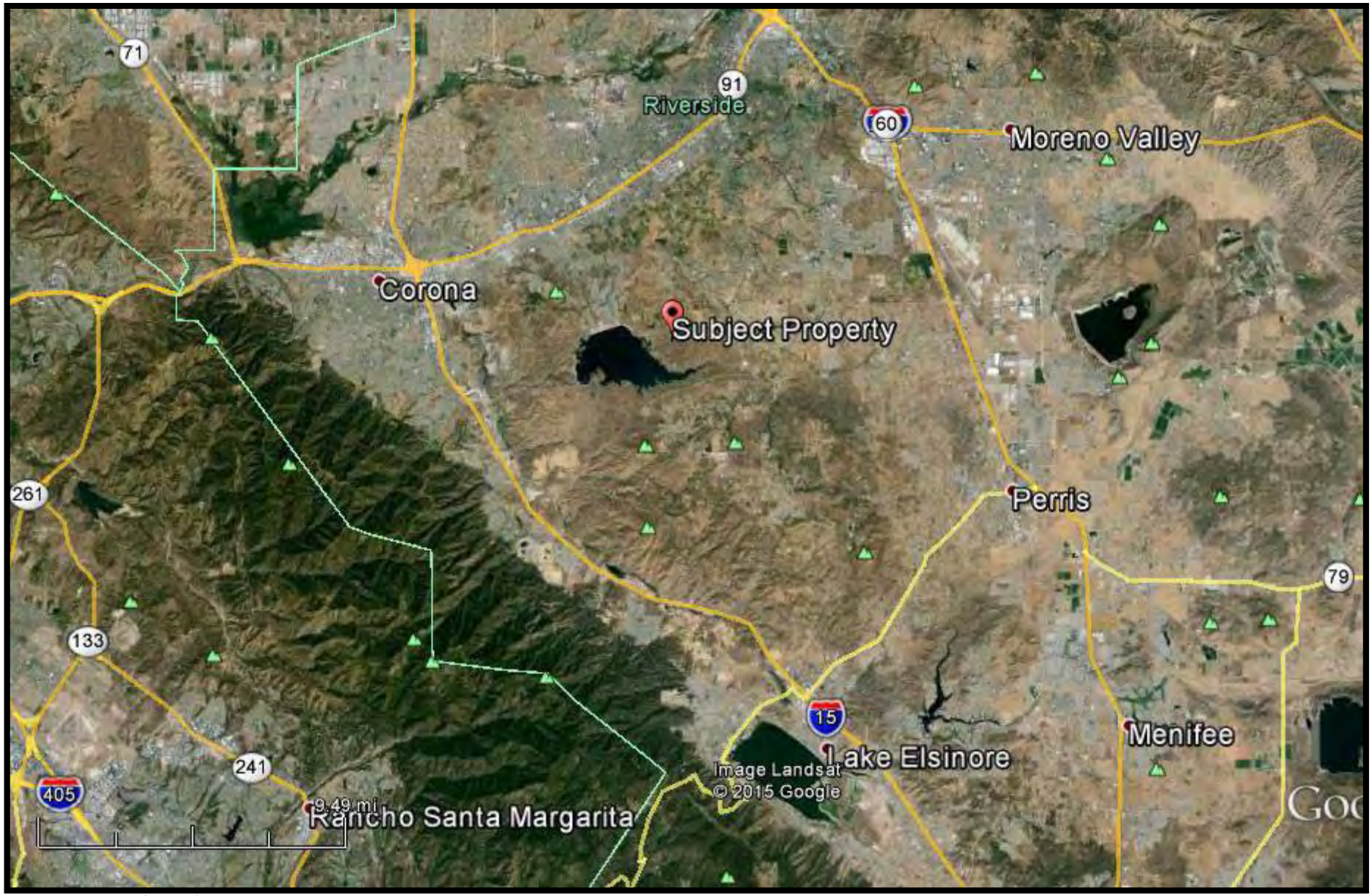
Screening Level - California Human Health Screening Levels (CHSSLs) for organochlorine pesticides and metals. Soil concentrations for residential land use listed.

CHHSL value listed for Chromium is Chromium VI

San Francisco Regional Water Quality Control Board 2013 Environmental Screening Level for Shallow Soil where groundwater is a curent or potential source of drinking water, residenttial land use value used for TPHo.

Kearney Foundation of Soil Science Special Report. Background Concentrations of Trace and Major Elements in California Soils. March, 1996. Average and maximum concentration shown.

FIGURES



SOURCE: Google Earth, 2015

N

TITLE: **Site Location Map**

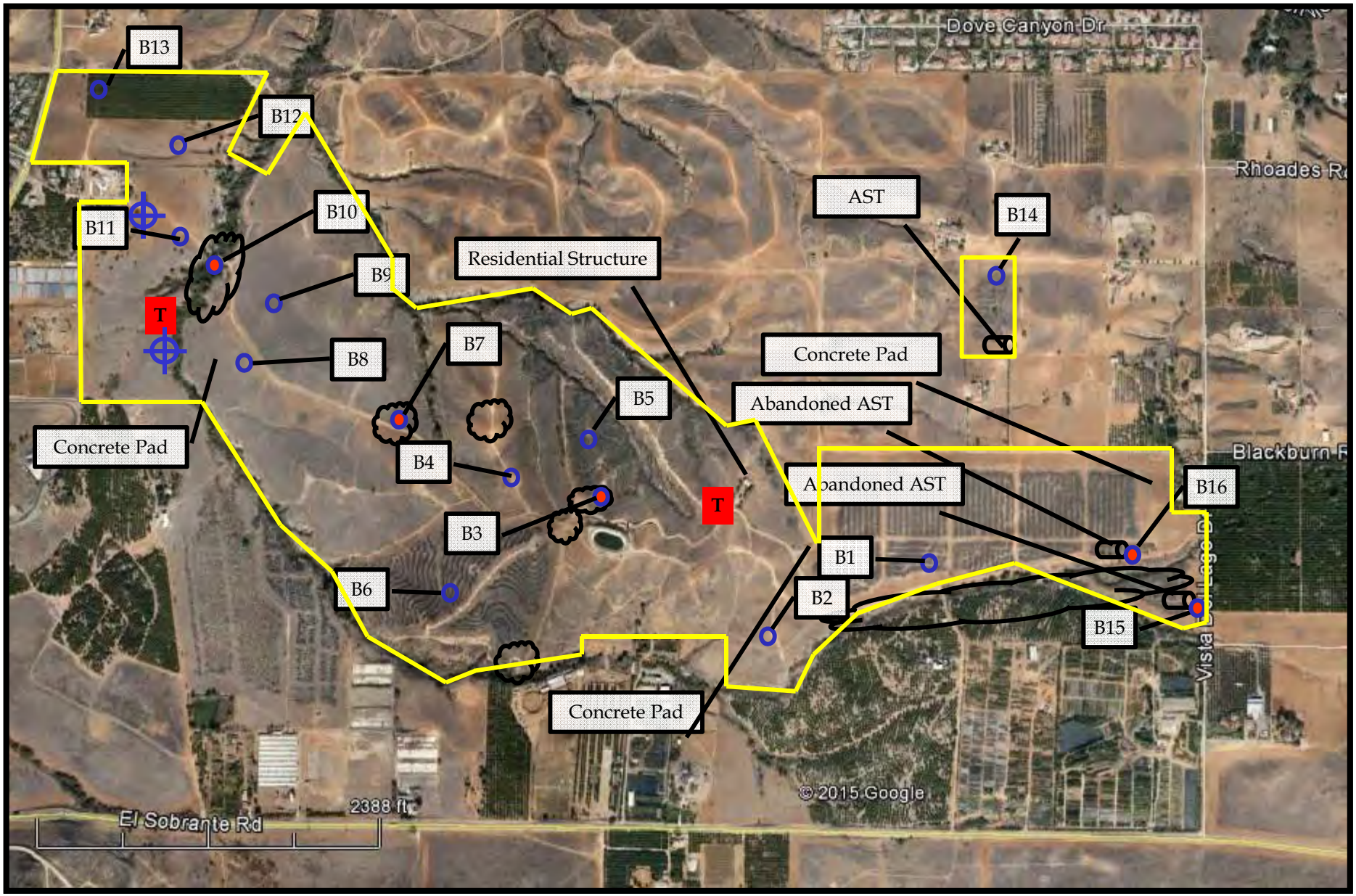
LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience
13555 Fiji Way Marina del Rey, CA 90292
714-423-3796 DirtyProperty.com

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
DATE:	05-27-2015

FIGURE: 1



SOURCE: *Google Earth, 2015*

Legend:

- T — Pole-Mounted Transformer
- Groundwater Well
- Area of Household Trash Dumping
- Sampling for Agricultural Chemicals
- Sampling for Household Trash Soil Impacts

N

TITLE: **Site Plan**

LOCATION: **Victoria Heights**
Riverside County, California

McAlister GeoScience
13555 Fiji Way Marina del Rey, CA 90292
714-423-3796 DirtyProperty.com

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
DATE:	06-08-2015

FIGURE: **2**

APPENDIX A

SITE PHOTOGRAPHS

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 1 **Description:** Irrigation water holding pond in the central portion of the Subject Property. **Orientation:** Facing northeast	

Photo: 2 **Description:** View of the southern portion of the Subject Property from the irrigation water holding pond in the central portion of the Subject Property. **Orientation:** Facing southwest	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 3 **Description:** View of the southeastern portion of the Subject Property from the irrigation water holding pond in the central portion of the Subject Property. **Orientation:** Facing southeast	

Photo: 4 **Description:** Irrigation standpipe located in the central portion of the Subject Property. **Orientation:** Facing north	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 5 **Description:** View of the southern portion of the Subject Property from the southern property boundary. **Orientation:** Facing north	

Photo: 6 **Description:** Household trash and paint containers, some evidence of burned material in the central-western portion of the Subject Property **Orientation:** Facing northeast	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 7 **Description:** View of the western portion of the Subject Property from the central road. Grading on neighboring property to the north visible. **Orientation:** Facing north	

Photo: 8 **Description:** Cement pad in the western portion of the Subject Property. Presumably for frost former management windmills. **Orientation:** Facing south	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 9 **Description:** Five-gallon buckets and paint containers dumped in ravine in western portion of the Subject Property. **Orientation:** Facing south	

Photo: 10 **Description:** Well in the western portion of the Subject Property. **Orientation:** Facing north	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 11 **Description:** Groundwater well with associated pole-mounted transformer. Well is constructed with concrete casing and a vertical turbine pump (electric motor missing). **Orientation:** Facing northeast	

Photo: 12 **Description:** View down the well located in the southwestern portion of the Subject Property.	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 13 **Description:** Residential compound in the central portion of the Subject Property. **Orientation:** Facing north-northeast	

Photo: 14 **Description:** Residential compound in the central portion of the Subject Property. **Orientation:** Facing southwest	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 15 **Description:** Residential compound in the central portion of the Subject Property. **Orientation:** Facing southeast	

Photo: 16 **Description:** Residential compound in the central portion of the Subject Property. **Orientation:** Facing east	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 17 **Description:** Former orchard in the western portion of the Subject Property. **Orientation:** Facing southeast	

Photo: 18 **Description:** Former orchard in the western portion of the Subject Property. **Orientation:** Facing southwest	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 19 **Description:** Abandoned aboveground storage tank in the western portion of the Subject Property. **Orientation:** Facing northwest	

Photo: 20 **Description:** Detached, northeastern Amsbry section of the Subject Property. View from the northeast corner of this section. **Orientation:** Facing southwest	

Appendix A – Photographic Log

Victoria Heights
Riverside County, California

Photo: 21 **Description:** Detached, northeastern Amsbry section of the Subject Property. View from the southeast corner of this section. **Orientation:** Facing northwest	

Photo: 22 **Description:** Unused aboveground storage tank in the detached northeastern Amsbry section of the Subject Property. **Orientation:** Facing south	

APPENDIX B

HISTORICAL AERIAL PHOTOGRAPHS, TOPOGRAPHIC MAPS, AND FIRE INSURANCE MAPS

APPENDIX D

USER PROVIDED INFORMATION

INTERVIEW

Property: Unincorporated Riverside County **Date:** 6-5-15

Address: 270-080-005 270-060-009 270-160-004 270-160-006 + 270-070-001 **Owner:** RJ El Sobrante, LLC

Interview Name and Phone Number: Jeremy Laster 949-240-3363

1. How long have you owned the Property? Since 2005

2. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40CFR312.25) No

3. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40CFR312.26) No

4. 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 chemicals and processes used by this type of business / (40CFR312.28) No

5. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40CFR312.29) Yes - fair.

6. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (40CFR312.30) No

   a. Describe past tenants and operations. Citrus Farming and Open Space

   b. Any past / present chemical use, storage, spills, releases, on-site treatment/disposal? No

   c. Prior Environmental Reports? Investigations? Assessments? No

7. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property? (40CFR312.31) No

8. Do you know of any past or current Underground Storage Tanks (USTs) at the Property? No

9. Do you know of any past or current wells at the Property? No

10. What are the Utility providers for the Property?

Water - ~~El Sobrante~~ Mutual water

Sewer - Western Municipal Water

Electric Power - Southern California Edison

Natural Gas -

INTERVIEW

Property: Unincorporated Riverside County **Date:** 6-5-15

Address: 270-160-008 **Owner:** DMB San Juan Investment North, LL

Interview Name and Phone Number: Jeremy Lastpr 949-240-3363

1. How long have you owned the Property? Since 2006

2. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40CFR312.25) No

3. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40CFR312.26) No

4. 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 chemicals and processes used by this type of business / (40CFR312.28) No

5. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40CFR312.29) Yes- fair.

6. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (40CFR312.30) No

   a. Describe past tenants and operations. Citrus Farming and Open Space

   b. Any past / present chemical use, storage, spills, releases, on-site treatment/disposal? No

   c. Prior Environmental Reports? Investigations? Assessments? No

7. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property? (40CFR312.31) No

8. Do you know of any past or current Underground Storage Tanks (USTs) at the Property? No

9. Do you know of any past or current wells at the Property? No

10. What are the Utility providers for the Property?

Water → Western Municipal Water

Sewer →

Electric Power → Southern California Edison

Natural Gas →

INTERVIEW

Property: Riverside Parcel # 270 070 005-5 **Date:** 4 June 2015
Riverside County - North of El Sobrante
Address: and East of McAllister **Owner:** Bosch Properties, LLC

Interview Name and Phone Number: Dan Bosch 714 744 0761

1. How long have you owned the Property? Since 22 Dec 2008 as Bosch Properties --- Title has been held in family since 1959 (except between 17 Aug 2004 and 14 Sep 2007 title was held by Mayer Financial / Victoria Heights, LLC for planned housing development)
2. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40CFR312.25) NO
3. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40CFR312.26) NO
4. 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 chemicals and processes used by this type of business / (40CFR312.28) NO ... However, I have indirect knowledge of the Property since 1959 as a family member ... and since 2008 as Manager of Bosch Properties, LLC.
5. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? YES if you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40CFR312.29)
I believe that there is no significant contamination on the Property.
6. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? NO (40CFR312.30)
   a. Describe past tenants and operations. Citrus Orchard since 11 Feb 1959. Trees were removed in Dec 2008.
   b. Any past / present chemical use, storage, spills, releases, on-site treatment/disposal? The only known chemical activity on the Property has been the normal use of fertilizer & pesticides for citrus production.
   c. Prior Environmental Reports? Investigations? Assessments? Likely not ... but possibly while title was held by Mayer
7. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property? (40CFR312.31) NO
8. Do you know of any past or current Underground Storage Tanks (USTs) at the Property? NO
9. Do you know of any past or current wells at the Property? NO
10. What are the Utility providers for the Property?
Water - Not Active Sewer - NONE Electric Power - NONE Natural Gas - NONE

INTERVIEW

Property: APN: 270-160-005; APN: 270-080-019 **Date:** 6/4/15

Address: APN: 270-080-020-9; APN: 270-080-021-0 **Owner:** FH&VA Anasbury Family Trust.

Interview Name and Phone Number: Mike Anasbury 775-224-4036

1. How long have you owned the Property?
   18 years
2. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40CFR312.25)
   No
3. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40CFR312.26)
   No
4. 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 chemicals and processes used by this type of business / (40CFR312.28)
   No
5. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40CFR312.29)
   yes
6. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (40CFR312.30)
   No

   a. Describe past tenants and operations.
      Glass Ranch Agricultural Srvs.
   b. Any past / present chemical use, storage, spills, releases, on-site treatment/disposal?
      No
   c. Prior Environmental Reports? Investigations? Assessments?
      No
7. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property? (40CFR312.31)
   No
8. Do you know of any past or current Underground Storage Tanks (USTs) at the Property?
   No
9. Do you know of any past or current wells at the Property?
   No
10. What are the Utility providers for the Property?
    Water - Sewer - Electric Power - Natural Gas -

INTERVIEW

Property: Riverside County APN 270-060-001 **Date:** 6-5-15

Address: No residential or other address **Owner:** Julie Agin, Trustee; Andrew Ersek, Trustee

Interview Name and Phone Number: Julie Agin 949-466-5836; Andrew Ersek 714-446-9560

1. How long have you owned the Property?
   Since 1998
2. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? (40CFR312.25)
   No
3. Are you aware of any activity and use limitations, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? (40CFR312.26)
   No
4. 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 chemicals and processes used by this type of business / (40CFR312.28)
   No specialized knowledge of any chemicals or processes used.
5. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? (40CFR312.29)
   We have no knowledge of any contamination
6. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? (40CFR312.30) No

   a. Describe past tenants and operations.
   Property has had orange trees growing on it since at least the 1970's.
   b. Any past / present chemical use, storage, spills, releases, on-site treatment/disposal?
   We have no specific knowledge of any chemicals. Fertilizers and/or pesticides for growing oranges may have been used.
   c. Prior Environmental Reports? Investigations? Assessments?
   Property was included in Specific Plan 270 approximately 10 years ago.
7. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property? (40CFR312.31)
   No
8. Do you know of any past or current Underground Storage Tanks (USTs) at the Property?
   No
9. Do you know of any past or current wells at the Property?
   No
10. What are the Utility providers for the Property?

Water -	Sewer - ?	Electric Power - ?	Natural Gas - ?
Municipal	Not aware of any sewer service	Not aware of any	Not aware of any

APPENDIX E

BORING LOGS AND FIELD OBSERVATIONS

McAlister GeoScience
13555 Fiji Way Marina Del Rey, California
(714) 423-3796
DirtyProperty.com

FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B1

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.0	SM	B1@0.5 (830)				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
4				Granitic Parent Material				
				Refusal at 1 foot below ground surface.				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

McAlister GeoScience
13555 Fiji Way Marina Del Rey, California
(714) 423-3796
DirtyProperty.com

FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B2

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		1.5	SM	B2@0.5 (900)				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Gray rock flour.				
4				B2@4 (902)				
				Refusal at 4 feet below ground surface.				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
10								
12								
14								
16								
18								
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24								
26								
28								
30								

McAlister GeoScience
13555 Fiji Way Marina Del Rey, California
(714) 423-3796
DirtyProperty.com

FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B3

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		11.6	SM	B3@0.5 (920)				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
4				As above, with coarse sand. B3@3 (922)				
				Refusal at 3.5 feet below ground surface.				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B4

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.1	SM	B4@0.5 (950)				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Grey rock flour B4@2 (952)				
4				Refusal at 2 feet below ground surface.				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

Boring / MW #: B4

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FIELD SOIL LOG:
DRILLING /
WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B5

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler	Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0					Bare Soil Surface				
			3.2	SM	B5@0.5 (10:08				
2					Silty Sand. Brown (10YR 5/3) poorly graded subangular corse sand with some medium plastic silt. No odor, no staining.				
4					Grey rock flour				
					B5@5 (10:10)				
6					Boring backfilled with hydrated medium bentonite chips.				
8									
10									
12									
14									
16									
18									
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22									
24									
26									
28									
30									

Boring / MW #: B5

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B6

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.3	SM	B6@0.5 (10:35				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular corse sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material				
4				B6@5 (10:37)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
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12								
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16								
18								
20								
22								
24								
26								
28								
30								

Boring / MW #: B6

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B7

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		2.0	SM	B7@0.5 (10:55				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material, Grey rock flour				
4				B7@5 (10:57)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

Boring / MW #: B7

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FIELD SOIL LOG:
DRILLING /
WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B8

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.1	SM	B8@0.5 (11:15				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Same as above				
4				B8@5 (11:17				
				Boring backfilled with hydrated medium bentonite chips.				
6								
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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B9

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		5.0	SM	B9@0.5 (11:30				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material				
4				B9@5 (11:32)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
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16								
18								
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22								
24								
26								
28								
30								

Boring / MW #: B9

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B11

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler	Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0					Bare Soil Surface				
			0.6	SM	B11@0.5 (12:0				
2					Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
					Granitic Parent Material				
4					B11@5 (12:02				
					Boring backfilled with hydrated medium bentonite chips.				
6									
8									
10									
12									
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16									
18									
20									
22									
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26									
28									
30									

Boring / MW #: B11

Page: 1/1

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B12

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.3	SM	B12@0.5 (12:2				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular corse sand with some medium plastic silt. No odor, no staining.				
4				Granitic Parent Material, grey rock flour				
				B12@5 (12:22				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
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14								
16								
18								
20								
22								
24								
26								
28								
30								

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B13

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.1	SM	B13@0.5 (12:5				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular corse sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material				
4				B13@5 (12:52				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
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12								
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16								
18								
20								
22								
24								
26								
28								
30								

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FIELD SOIL LOG:
DRILLING /
WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B14

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.0	SM	B14@0.5 (2:04				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material, corse				
4				B14@5 (2:06)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B15

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.1	SM	B15@0.5 (2:30				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular fine sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material				
4				Same as above B15@5 (2:32)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
10								
12								
14								
16								
18								
20								
22								
24								
26								
28								
30								

Boring / MW #: B15

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FIELD SOIL LOG: DRILLING / WELL CONSTRUCTION

Geologist: J.Schem
Boring No: B16

Client: Foremost Management, LLC.	Location: Victoria Heights	Map:
Project: Victoria Heights		
Elevation/Datum:	Subcontractor: MEI	See Attached
Sampling Date(s): 6/9/2015	Hammer Weight: N/A	
Sampling Method: Direct Push (GeoProbe 6600)	Memo:	
Drop Height: N/A	Angle: 90 degrees	
DTW: 1st N/A Static N/A		

Depth Below Surface (ft.)	Blows/ 6 in On Sampler Recovery	PID Reading (ppm)	Unified Classification	Soil Description (BH-1 @ 10') Time USCS type in all caps followed by the description including percentages of gravel, sand, silt, and clay. [i.e.: SC– CLAYEY SAND. Very Dark Grayish Brown (10YR 3/2) poorly graded sub-angular medium sand with some high plasticity clay. moist. No odor, no staining.]	Sampler and Bit	Annular Fill	Well Construction Details	
0				Bare Soil Surface				
		0.1	SM	B16@0.5 (3:00				
2				Silty Sand. Brown (10YR 5/3) poorly graded subangular corse sand with some medium plastic silt. No odor, no staining.				
				Granitic Parent Material				
4				Same as above B16@5 (3:02)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
8								
10								
12								
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24								
26								
28								
30								

Boring / MW #: B16

APPENDIX F

LABORATORY RESULTS AND CHAIN OF CUSTODY RECORD

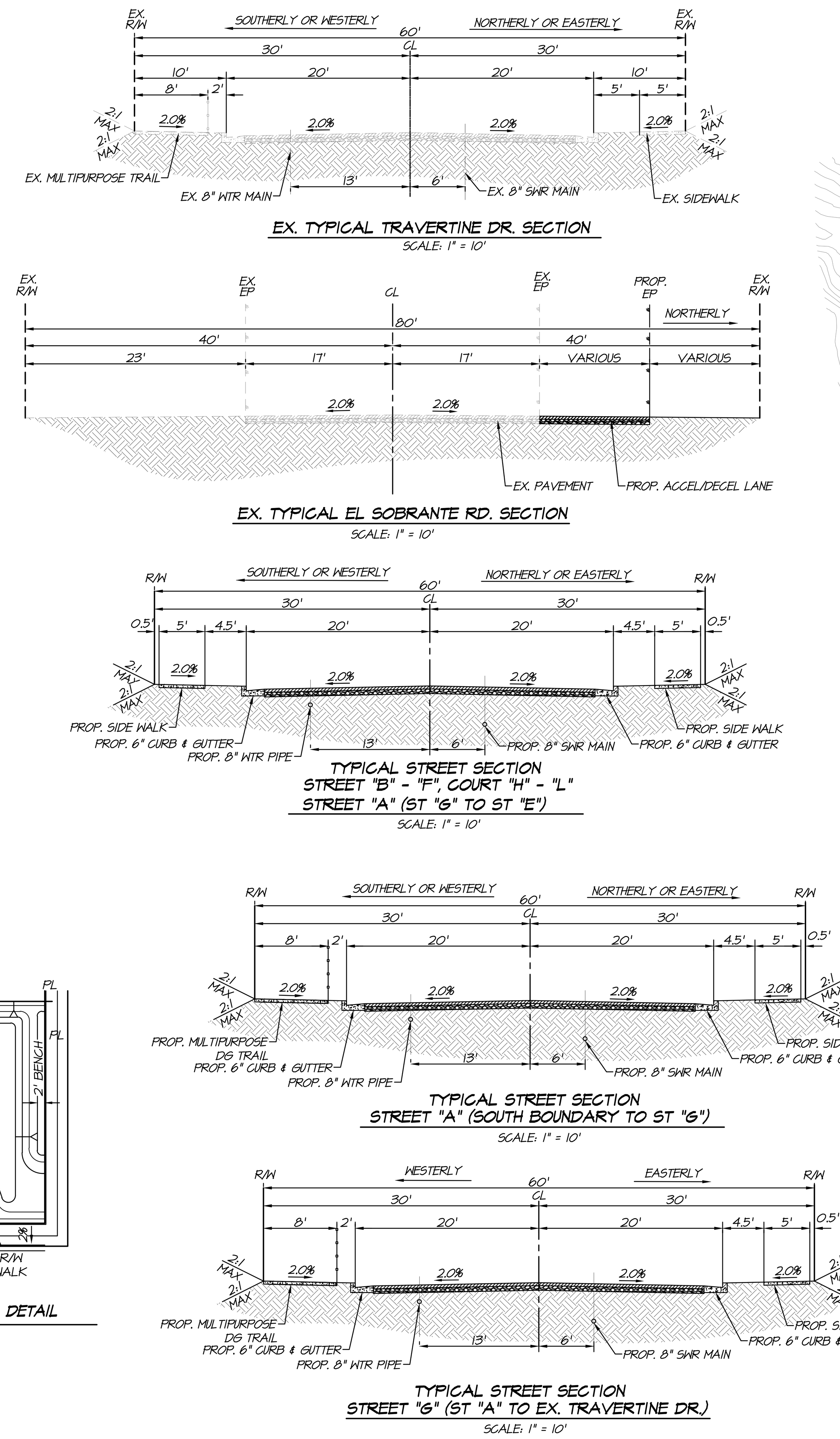
APPENDIX F

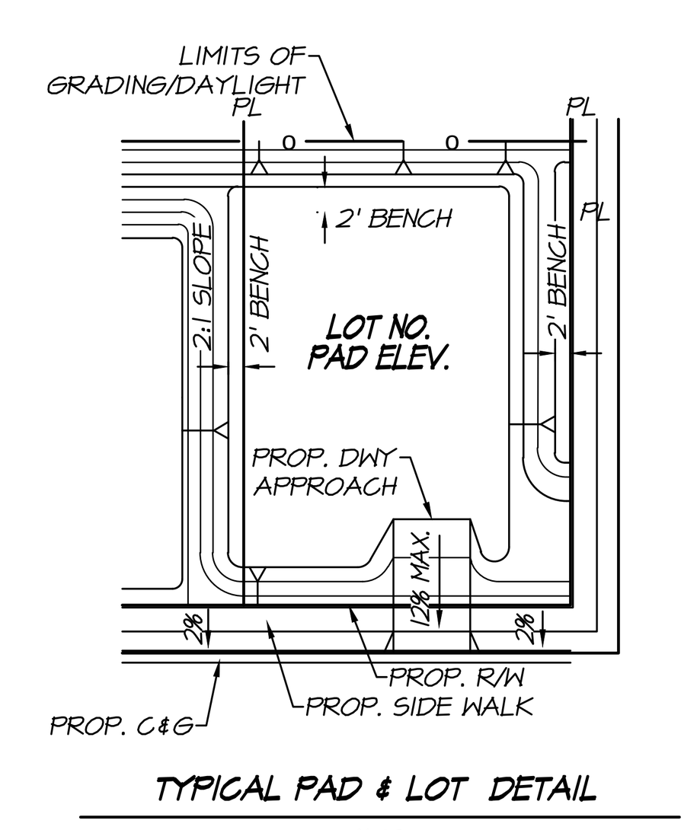
LABORATORY RESULTS AND CHAIN OF CUSTODY RECORD

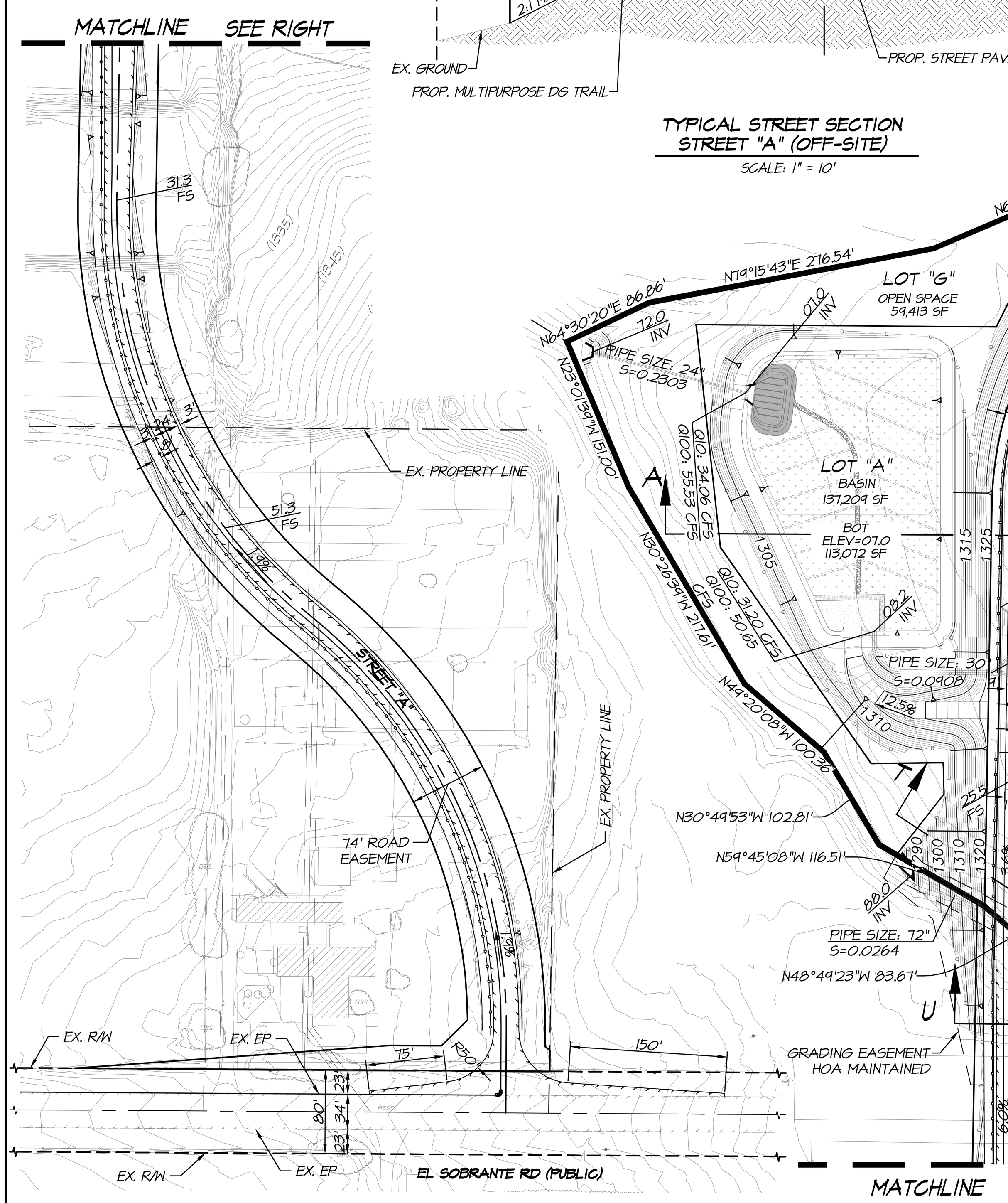
IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

TENTATIVE TRACT MAP 38605

SCHEDULE "A"







APPLICANT

MITCH ADKISON
ADKAN ENGINEERS
6879 AIRPORT DR.
RIVERSIDE, CA 92504
TEL: (951)-688-0241
EMAIL: MADKISON@ADKAN.COM

ENGINEER

adkan ENGINEERS
6879 AIRPORT DRIVE
RIVERSIDE, CA. 92504
951-688-0241

ASSESSORS PARCEL NUMBERS

270-070-005, 270-070-006, 270-070-007
270-160-005

PROJECT DENSITY TABLE

PROJECT AREA: 95.96 AC.

PROPERTY OWNERS

270-160-005
AMSBRY MICHAEL GREGORY
550 W PLUMB LN #B530,
RENO, NV 89509

270-070-006, 270-070-007
IRONCLAD HOLDING LLC
17863 GRANDIS CT,
RIVERSIDE, CA 92503

270-070-005
BOSCH PROP
BOSCH PROPERTIES LLC
7626 E SKYLARK PI,
ORANGE, CA 92869

ZONING/LAND USE

EXISTING ZONING:	A-1-10
PROPOSED ZONING:	R-1-10,000
EXISTING LANDUSE:	RC-VLDR & RC-LDR, UNDEVELOPED - VACANT
PROPOSED LANDUSE:	RC-VLDR & RC-LDR

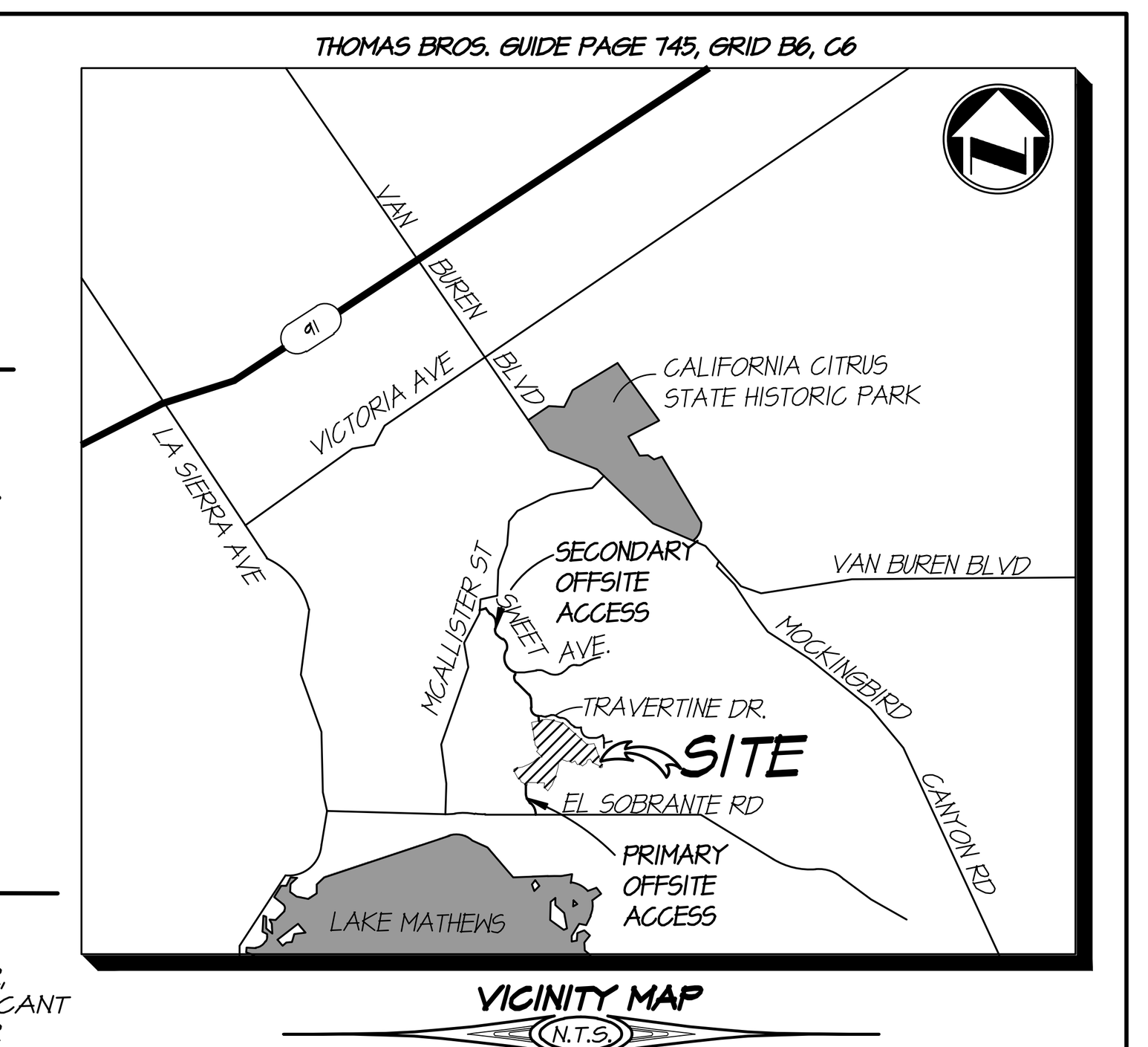
UTILITY PURVEYORS

WATER:	W.M.W.D.
SEWER:	W.M.W.D.
GAS:	SOUTHERN CALIFORNIA GAS COMPANY
ELECTRICITY:	SOUTHERN CALIFORNIA EDISON
TELEPHONE:	SBC
SCHOOL:	RIVERSIDE UNIFIED SCHOOL DISTRICT
CATV:	CHARTER CABLE

EARTHWORK QUANTITIES

CUT: 605,038 CY FILL: 605,038 CY NET: 0 CY

THE QUANTITY SHOWN ABOVE IS FOR DISCUSSION PURPOSES ONLY. 15% SHRINKAGE FACTORS ARE INCLUDED.



VICINITY MAP
N.T.S.
SEC.32 NE T.3S. R.5W

ENGINEER NOTE

1. THERE IS NO EX. STREET LIGHT.
2. ALL SLOPES LESS THAN 30' IN HEIGHT WITHIN RESIDENTIAL LOTS TO BE MAINTAINED BY HOME OWNER.
3. ALL REVERSE AND SIDE FRONTING SLOPES TO BE MAINTAINED BY HOA.
4. ALL TERRACED SLOPES AND DRAINAGE TO BE MAINTAINED BY HOA.

INDEX MAP
SCALE: 1" = 500'

MAINTENANCE TABLE

LOT NAMES	MAINTENANCE AREAS	
BASIN/SLOPE	"A", "B", "C", "E", "H", "M"	HOA
OPEN SPACE	"D", "F", "G", "I", "J", "K", "L", "N"	HOA
SLOPE	"O", "P", "Q", "R", "S", "T", "U", "V", "W", "X", "Y"	HOA

PROJECT NOTES

1. ALL IMPROVEMENTS SHALL BE PER SCHEDULE "A" SUBDIVISION ORDINANCE 460.
2. THOMAS BROS. COORDINATES: PG. 745 GRIDS B-6, C-6.
3. ALL CUT SLOPES WILL BE 2:1 MAX EXCEPT SHOWN, UNLESS OTHERWISE SPECIFIED AND APPROVED BY SOILS ENGINEER, AND FILL SLOPES 2:1 MAX.
4. NOT IN A FLOOD ZONE.
5. NOT SUBJECT TO LIQUEFACTION OR OTHER GEOLOGIC HAZARDS. SAID PROPERTY IS NOT IN ANY SPECIAL STUDIES ZONES.
6. SETBACKS OF SLOPES TO PROPERTY LINES SHALL CONFORM TO THE GREENTREE RANCH SPECIFIC PLAN STANDARD.
7. EXISTING CONTOUR LINES PER AERIAL PHOTOGRAMETRY, PREPARED BY INLAND AERIAL SURVEYS, INC. PERFORMED ON AUGUST 7, 2015.
8. THE SUBDIVIDER RESERVES THE RIGHT TO FILE MULTIPLE FINAL MAPS, PER SEC. 66456.1 OF THE STATE MAP ACT.
9. NO HAZARDOUS MATERIALS STORED ONSITE.
10. BUILDING SETBACKS OF PROPOSED RESIDENTIAL UNITS WILL CONFORM TO THE SETBACK REQUIREMENTS OF THE GREENTREE RANCH SPECIFIC PLAN.
11. THE HEIGHT OF PROPOSED RESIDENTIAL STRUCTURES WILL VARY DEPENDING ON WHETHER SAID HOUSING UNIT IS ONE OR TWO STORIES TALL - AND NOT IN EXCESS OF RESIDENTIAL ZONING STANDARDS.
12. TOTAL NUMBER OF LOTS: 163 RESIDENTIAL
    TOTAL GROSS ACREAGE: 95.96± ACRES
    MIN. LOT SIZE: 10,000 SF.
    MIN. PAD SIZE: 8,000 SF.
    TOTAL NUMBER OF PARK AREAS: 1 (3.2± AC.)
    TOTAL HOA MAINTAINED SLOPES: 11 (0.97± AC.)
    TOTAL NUMBER OF OPEN SPACE LOTS: 14 (18.9± AC.)
    DISTURBED ACREAGE: 86.75 AC.
13. LOT DIMENSIONS SHOWN HEREON INCLUDE DIMENSIONS TO STREET R/W
14. PROPERTY DOES NOT LIE WITHIN A COUNTY SERVICE AREA.
15. ALL PROPOSED STREETS ARE TO BE PRIVATELY MAINTAINED.
16. ALL PROPOSED PRIVATE DRAINAGE EASEMENTS ARE TO BE MAINTAINED BY THE HOA.
17. ALL EXISTING POWER POLES ON PROJECT SITE ARE TO BE RELOCATED UNDERGROUND.
18. NON BUILDABLE HOA MAINTAINED LOTS ARE CREATED DUE TO AN UNDERLYING EASEMENT THAT CANNOT BE VACATED.
19. ALL BASINS ARE TO BE FENCED AND MAINTAINED BY THE HOA. SEE EXHIBIT ON SHEET 3.
20. ALL TRAILS ARE TO BE CONSTRUCTED WITH DECOMPOSED GRANITE SURFACE, UNLESS OTHERWISE SPECIFIED.
21. ALL EXISTING SEPTIC TANKS TO BE REMOVED PER SEPARATE PERMIT BY THE DEPARTMENT OF ENVIRONMENTAL HEALTH SEE PLAN FOR LOCATION.

LEGEND

- PROPERTY BOUNDARY
- PROP. CURB & GUTTER
- PROP. SWR MAIN & MH
- PROP. WTR MAIN
- PROP. SD PIPE
- FLOW LINE
- DG TRAIL FENCE
- RESTRICTED USE AREA

TC	TOP OF CURB
FL	FLOWLINE
FS	FINISHED SURFACE
PE	PAD ELEVATION
CB	CATCH BASIN
EP	EDGE PAVEMENT

SHEETS INDEX

SHEET 1	COVER SHEET
SHEET 2	LOTS GEOMETRY & EASEMENT MAP
SHEET 3	CROSS SECTIONS

REVISIONS

INT.	DESCRIPTION	APPR.	DATE

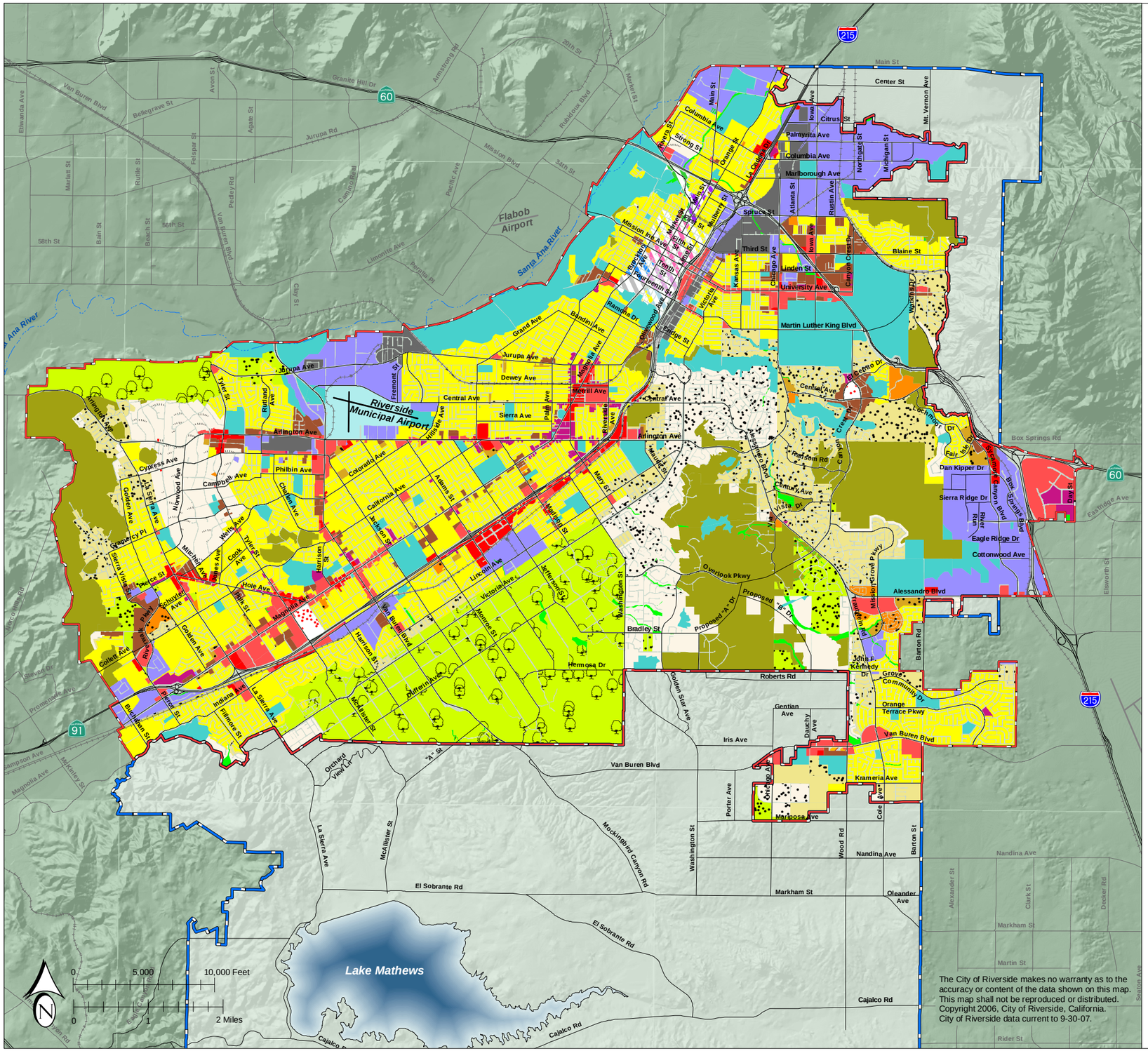
COVER SHEET
PREPARATION DATE : JAN 2023

adkan ENGINEERS
Civil Engineering · Surveying · Planning
6879 Airport Drive, Riverside, CA 92504
Tel:(951) 688-0241 · Fax:(951) 688-0599

SHEET 1 OF 3

3/23/2023

U:\PROJECTS\FOREMOST COMMUNITIES\8794\WADDELL\TTM\TENTATIVE TRACT MAP.DWG



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CITY OF RIVERSIDE
GENERAL PLAN 2025

LEGEND

- RIVERSIDE CITY BOUNDARIES
- RIVERSIDE PROPOSED SPHERE OF INFLUENCE

ZONING

RESIDENTIAL ZONES

- RE
- RA-5
- RR
- RC
- R-1-1/2 acre
- R-1-13000
- R-1-10500
- R-1-8500
- R-1-7000
- R-3-4000
- R-3-3000
- R-3-2500
- R-3-2000
- R-3-1500

COMMERCIAL/INDUSTRIAL ZONES

- O
- CR
- CRC
- CG
- BMP
- I

DOWNTOWN SPECIFIC PLANS

- DSP-AS
- DSP-HC
- DSP-JC
- DSP-MSG
- DSP-NC
- DSP-NMS
- DSP-PPO
- DSP-RC
- DSP-RES

OTHER ZONES

- AIR
- RWY
- OSP-CID
- PF

OVERLAY ZONES

- WC

*AMENDMENTS TO THE MAP AFTER ZONING CODE ADOPTION WILL BE MAINTAINED ON FILE IN THE PLANNING DIVISION

SOURCE: CITY OF RIVERSIDE

ZONING MAP OF THE CITY OF RIVERSIDE

0 5,000 10,000 Feet

Appendix E

McAlister GeoScience Statement of Qualifications

McAlister GeoScience

Environmental
Site Investigation and Remediation

multiple, creative, and technically sound solutions for challenges facing property owners and property managers.

Turn-Key Solutions for complex sub-surface challenges

Phase I Site Investigations

Phase I environmental site investigations are routinely conducted to support pre-development property transactions, developed property transfers, and site closures. Lending institutions, realty corporations, landholders, and private individuals must consider environmental contamination as a potential risk when considering properties for acquisition. Purchase of contaminated property can result in assumption of significant cost for cleanup. To address this issue, purchasers of real estate consider an environmental assessment as a routine component of an acquisition.

Phase II Site Investigations

Phase II environmental site investigations are performed to delineate horizontal and vertical extent of volatile organics, metals, petroleum hydrocarbons, and other chemicals of concern. The McAlister GeoScience team has effectively managed field activities, coordinated with analytical laboratories, evaluated data, and prepared reports associated with ongoing groundwater monitoring programs.

Agency Interaction

The regulatory framework of California is diverse. Multiple agencies including regional water quality control boards, Federal EPA, CalEPA, city, county, and numerous other local agencies may oversee the same site at any given time. You need an experienced technical practitioner.

Regional Coverage

McAlister GeoScience has strong teaming ties in several metro areas including New Jersey; New York; North Carolina; Connecticut; Montana; Seattle; Phoenix, AZ; Denver, CO; Dallas, TX; Houston, TX; and Florida. Several locations are led by personnel with over 40 years of varied experience.

McAlister GeoScience is an effective and results-focused team possessing extensive experience with the successful design and implementation of Phase I and II environmental site assessments and GeoTechnical Investigations. McAlister GeoScience is well-versed in activities associated with the implementation of remedial action including agency interaction and all aspects of project management. McAlister GeoScience has also proven to be an effective team performing data analysis and reporting, remedial action, and compliance activities obtaining regulatory closure at numerous facilities nationwide.

- Environmental Site Investigation
- Environmental Remediation
- Regulatory Closure

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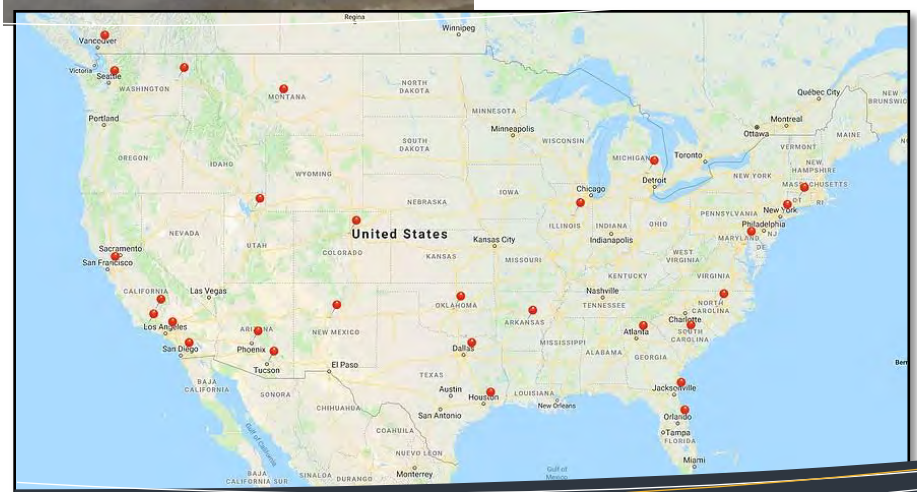
McAlister GeoScience

McAlister GeoScience

- **Environmental**
- **Geotechnical**



Assessment

Phase I and II environmental site investigations. Characterization and rough order of magnitude (ROM) cost development. All performed on a timeframe and teaming fashion to facilitate commercial real estate transactions.

Remediation

Technically sound and legally defensible solutions performed in a teaming fashion to meet regulatory requirements, schedule, and budget.

GeoTechnical

Our team is well versed and experienced in the field aspects and report of soil reports for commercial and industrial properties including foundation stability, compaction, and slope stability.

Asbestos / Lead-based Paint

Surveys and abatement performed by licensed experts in a teaming fashion. All services provided on a turn-key basis with one point of contact for ease of management.

In Situ Chemical Oxidation (ISCO)

McAlister GeoScience has managed and performed ISCO (potassium permanganate and activated persulfate) injection for the treatment of chlorinated solvents in groundwater at various facilities in Southern California including the Cities of Industry, Bell, Los Angeles, Long Beach, Huntington Beach and Costa Mesa, California. Numerous ISCO reagents have been utilized including permanganate, hydrogen peroxide, and various proprietary reagents.

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DirtyProperty.com

Environmental Site Investigation & Remediation | Agency Interaction | Asbestos | Lead | Mold | GeoTechnical Investigations

Curriculum Vitae – David C. McAlister

Environmental Site Investigation and Remediation Professional

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Eco Compliance Corporation

Mr. McAlister is an effective and results-focused professional possessing extensive experience with the successful design and implementation of Phase I and II environmental site assessments. Mr. McAlister is well-versed in activities associated with the implementation of remedial action including agency interaction, scope, schedule, and budget management. He has performed Property Condition Assessments (PCAs) on diverse properties (mostly industrial properties) and in diverse property transaction scenarios. Mr. McAlister has also proven to be effective at the design, performance, and management of a team performing data analysis and reporting, remedial action, and compliance activities obtaining regulatory closure at numerous facilities located in Southern California and Washington.

Selected Project Descriptions:

United States Air Force Reserves – Mr. McAlister managed and performed the field tasks associated with Groundwater remediation involving *in-situ* chemical oxidation (ISCO - potassium permanganate) for the remediation of groundwater impacted with chlorinated solvents at an operating air force base in Spokane, Washington.

LBA Realty / LBA Logistics – Mr. McAlister has provided Phase I / II site investigations and remedial cost estimation / scoping services for several sites in Washington and California. Sites are predominantly industrial being redeveloped as large concrete tilt-up warehouses. Many sites feature soil and groundwater impacts requiring entering the site into a state voluntary cleanup program leading to a no further action (NFA) Letter.

Lockheed Martin Corporation – Mr. McAlister was part of a team performing environmental due diligence reviews associated with the acquisition of a military vehicle manufacturer. Due diligence file reviews were completed on hundreds of sites located across the United States and Europe under an extremely compressed timeframe. Ultimately, two sites were identified with higher than acceptable environmental liability risk and the deal was not consummated due to these recommendations.

Various Industrial and Commercial Real Estate Clients – Mr. McAlister managed and performed ISCO injection for the treatment of chlorinated solvents in groundwater at various facilities in Southern California including the Cities of Industry, Bell, Los Angeles, Huntington Beach and Costa Mesa, California. Numerous ISCO reagents were evaluated for these projects including permanganate, hydrogen peroxide, and various proprietary reagents.

Education:

B.S., Soil Science, California State Polytechnic University, San Luis Obispo, 2001

Specialized Training:

State of Washington Licensed Geologist # 3369

OSHA 40-hour Hazwoper Health and Safety Training

OSHA 8-hour Hazwoper refresher course (annual)

OSHA 8-hour Supervisor Training

American Red Cross First Aid and CPR Certified

AHERA Building Inspector

Years of Experience:

Twenty

Employment History:

ERM-West Inc. (2001-2005)
Staff Scientist

Tetra Tech, Inc. (2005-2013)
Senior Scientist

Professional Affiliations:

The International Council Shopping Centers (ICSC)

Commercial Real Estate Development Association (NAIOP)

Curriculum Vitae – David C. McAlister

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Union Pacific Rail Road – Mr. McAlister achieved regulatory closure of an Underground Storage Tank (UST) site in the city of Colton, California. Contaminants of Concern included, lead, arsenic, and "Bunker C" fuel oil. The regulatory agency providing oversight was the San Bernardino County Fire Department Hazardous Materials Division.

Lockheed Martin, Torrance, CA – Mr. McAlister has held various management and technical support positions due to his extensive experience with the project, regulatory environment, and hydrogeology of the area. Mr. McAlister attended meetings with the regulatory community, neighboring property owners, and various other stakeholders on behalf of Lockheed Martin Corporation. Additionally, Mr. McAlister attended quarterly meetings and briefed Lockheed senior management on the scope, schedule, remedial options, remedial approach, risks, and opportunities associated with the remediation of a groundwater plume at a facility immediately adjacent to a federal Superfund site.

ExxonMobil Global Remediation – Mr. McAlister improved LNAPL recovery at the Torrance refinery from approximately 30,000 gallons per month to approximately 91,000 gallons of per month, a 300% improvement in extraction efficiency within eight months. Installation of five new extraction wells and associated skimming systems contributed 40% of the increase in extraction efficiency. Optimization of currently existing infrastructure contributed 60% of the increase in extraction efficiency.

Los Angeles Department of Water and Power – Mr. McAlister coordinated and performed the field implementation of a sodium permanganate ISCO injection at a maintenance facility in Silver Lake area of Los Angeles, California.

Alcoa, Inc. – Mr. McAlister performed phase II soil, soil vapor, and groundwater investigations including the planning, implementation, and reporting of investigation activities at five separate facilities located in southern California for the acquisition of an aerospace fastener company.

Various Clients – Mr. McAlister has performed numerous soil and groundwater investigations to delineate horizontal and vertical extent of VOCs, metals, TPH, and other chemicals of concern at various rail yards and manufacturing plants throughout California. Site investigation activities included monitoring well installation, soil boring advancement, and sampling using various drilling techniques. Drilling techniques utilized include hollow-stem auger, air rotary casing hammer (ARCH), mud rotary, mud rotary with reverse circulation, and hydraulic direct-push. Mr. McAlister has effectively managed field activities, coordinated with analytical laboratories, evaluated data, and prepared reports associated with ongoing groundwater monitoring programs.

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Curriculum Vitae – David C. McAlister

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Gardena Business Park, LLC. – Mr. McAlister achieved regulatory closure of an industrial property that had been entered into the Spills, Leaks, Investigations, and Cleanup (SLIC) program of the Los Angeles Regional Water Quality Control Board. Contaminants of Concern included trichloroethylene (TCE) and tetrachloroethylene (PCE).

Carson Marketplace, LLC – Mr. McAlister managed the field implementation of an aquifer pump test at a former landfill in Carson, California. The goal of the project was to redevelop the landfill for residential, retail, and other purposes. Through this process, remediation of soil and groundwater was required along with the implementation of landfill gas mitigation and management practices. The scope of the aquifer pump test included a constant rate and step-flow test in three discrete areas and the management of impacted groundwater generated during the process.

HH&J Architects – Management of several industrial sites with soil and groundwater impacts requiring work with the Washington Department of Ecology (DOE) and their Voluntary Cleanup Program (VCP). These projects often include the installation and management of a groundwater well monitoring network over a multiple-year timeframe.

City of Seattle – Eco Compliance Corporation, Under Mr. McAlister's direction has managed and addressed several soil, groundwater, storm water, and surface water impacted sites within the Seattle city limits. Projects are performed for several city entities including parks and recreation, housing, and solid waste management. Several projects also include the surveys, management, and abatement of hazardous building materials including asbestos, lead-based paint, mercury switches, and PCBs.

Baker Hughes – Mr. McAlister performed the evaluation of effectiveness and final agency reporting of an ISCO (activated persulfate) injection conducted in Huntington Beach, California. The agency review of the report and remediation progress following Mr. McAlister's involvement resulted in significant adjustments to the remedial approach and advanced the project significantly toward regulatory closure.

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Curriculum Vitae – Dale Bodman, P.E.

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Mr. Bodman has more than 30 years' experience in public and private sector environmental engineering, engineering design services, remediation, construction design, and project/construction management of construction and remedial construction projects. He has worked on projects as the owner's representative, consultant, and contractor. His experience ranges from site investigations, through advanced remediation systems to the management of complicated remedial construction projects. Mr. Bodman has been involved in the cleanup of contaminated soil and groundwater from asbestos/lead, full range petroleum products, chlorinated solvents to radioactive waste. He has experience with the following remedial technologies- Soil Vapor Extraction (SVE) (high and low vacuum), Multi-Phase Extraction (MPE), Air Sparging, Pneumatic Fracturing, Air-Stripping, Chemical Oxidation (ISCO) and In-Situ and Ex-Situ Biotechnologies.

Mr. Bodman has worked under numerous Federal and State regulatory agencies across the country. He has presented projects to the California Department of Toxic Substances Control (DTSC), California Regional Water Control Boards (RWQCB) and the Department of Environmental Health in several cities. His projects have involved the Resource Conservation and Recovery Act (RCRA) Corrective Action and Compensation and Liability Act (CERCLA) remedial investigations and action plans.

Selected Project Descriptions:

Soil and Groundwater Assessment and Remediation, Service Stations and Bulk Plants; Various Major Oil Company Sites; California

Mr. Bodman was responsible for the assessment of soil and groundwater contamination at over 80 sites in Southern California. Mr. Bodman managed environmental consulting firms in their investigative approach and remedial actions. Additionally, as an environmental consulting engineer, he provided subsurface assessment services on over 200 contaminated sites. Remediation involved groundwater treatment systems, in-situ bio, extraction, and dig and hauls. Site locations were from Southern California to Washington and Nevada.

Dual Phase Extraction/NPDES, Maintenance Yard; San Diego, CA

Mr. Bodman was the project manager for the remediation of heavy petroleum contaminated soil and groundwater at the Unocal Fuel Terminal facility located in downtown San Diego, California. Remedial actions consisted of dual phase extraction (DPE) utilizing solid and liquid phase carbon to remove petroleum contamination. Groundwater was determined to be a slow-flow zone capable of utilizing DPE technology. Project also consisted of the identification, decontamination and removal of numerous buried pipelines that impacted the major construction project. Mr. Bodman provided oversight in the completion of the Remedial Action Work Plan and Remedial Action Plan.

Education:

M.S. Engineering, California State Polytechnic University, Pomona.

B.S. Applied Science & Engineering. US Military Academy, West Point, New York

Specialized Training:

OSHA 40-hour Hazwoper Health and Safety Training

OSHA 8-hour Hazwoper refresher course (annual)

OSHA Construction Health & Safety 30-hour

Radiation Officer Qualified

Radiation Safety Training

Professional Registration:

Professional Engineer:
CA # C043241

General Contractor A & Haz

Curriculum Vitae – Dale Bodman, P.E.

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Large Scale Soil Removal; Former Maintenance Yard; City of Santa Ana, CA

Mr. Bodman was the senior project manager for the assessment and remediation of contaminated soil at the former maintenance yard. Assessment by drilling and hydro punch technology of this six plus acre site revealed contamination of soil and groundwater by petroleum hydrocarbons and paint thinner. Remedial action consisted of large-scale excavations and removals of contaminated soil. Mr. Bodman provided oversight in the completion of the Remedial Action Plan and Closure Plan.

Dual Phase Extraction/Above Ground Vapor Extraction; Aircraft Facility; Fullerton, CA

Mr. Bodman was the senior project manager for the remediation of TCE and PCE contaminated soil and groundwater at this aircraft facility in Fullerton, California. Remedial actions consisted of dual phase vapor extraction (DPE) utilizing solid and liquid phase carbon to remove petroleum contamination. An above ground Baker storage tank was utilized to capture the treated groundwater. Groundwater was determined to be a slow-flow zone capable of utilizing DPE technology. An above ground treatment cell connected by vapor extraction was also constructed to remediate near surface materials that had been excavated. Heating of the vapor stream before carbon polishing was implemented as a cost saving device. Mr. Bodman provided oversight in the completion of the Remedial Action Work Plan and Remedial Action Plan.

Solvent Contamination-Deep Soil Vapor Extraction; Industrial Facility; San Diego, CA

Mr. Bodman was the senior project manager for this project that involved the remediation of TCE and PCE contaminated soil at this industrial facility that stored these products for dry-cleaning businesses. Remedial actions consisted of a soil vapor extraction (SVE) system utilizing carbon to remove the contamination. The well field consisted of vertical, horizontal and angled wells. Depth to groundwater was approximately 180 feet. Groundwater monitoring wells were installed to determine the lateral extent of the contamination in the groundwater. The project was taken over from a previous consultant. Optimization of the remediation system enhanced removals and operation time. Mr. Bodman provided oversight in the completion of the Revised Remedial Action Plan, Sampling Plan, and Vapor Well Installation Work Plan.

Bioplug Technology; Waste Recycler, Multiple Sites; United States

Mr. Bodman developed the operations and marketing plans for the implementation of this new technology across the United States. Over eleven systems were installed in locations that had both petroleum and solvent contaminants in the soil and ground water. Several of these sites were located in California and were remediating contaminants more than 90 feet below the ground surface.

In-Situ Chemical Oxidation (ISCO); Rail Cleanup; Cheyenne, WY

Mr. Bodman was the technical reviewer and remediation manager for this remediation project, which involved the installation of a vapor extraction system. Some contamination existed below a building and remedial activities associated with the cleanup in this area involved ISCO technology. Several rounds of injection of in-situ chemical oxidation utilizing permanganate were completed with great success. Cleanup levels were achieved in the area of the vapor extraction system resulting in the dismantling of the system.

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Curriculum Vitae – Dale Bodman, P.E.

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Full Scale Remediation/Dual Phase Extraction/Sparging/Bio/Injection; Refinery/Water Treatment Plant

Mr. Bodman was the technical remediation advisor and senior project manager for this major environmental remediation construction project. The site was a former refinery with contamination over 326 acres in both the soil and groundwater. The project involved the implementation of a 4,000-ft multi-phase extraction system with air-sparging to control the offsite migration of the contaminated groundwater plume. The system included the installation of over ninety bioplugs (bio generators). Six industrial wide trailers contained the extraction equipment with a treatment building to handle the contaminated groundwater. Contaminated water was treated with biological amendments and re-injected into the groundwater. Mr. Bodman provided critical input into the design, construction, and operations of this system.

Asbestos Abatement/Vapor Extraction; Bank Site; Burbank, CA

Mr. Bodman was the project manager for the assessment of this railhead site that involved a former underground storage tank as well as the demolition of an old site building constructed with asbestos containing materials. Assessment of both soil and ground water was performed to identify the vertical and lateral extent of petroleum contamination. Remedial actions consisted of soil vapor extraction (SVE) utilizing a thermal/catalytic oxidizer to destroy petroleum contaminated vapors. Installation of the well field, header and treatment compound occurred along with the construction of the site into a parking lot for the expected City of Burbank train station. Mr. Bodman was responsible for the preparation of the Remedial Action Plan, the Remedial Action Work Plan and the Sampling and Analysis Plans.

High Vacuum Soil Vapor Extraction/Pneumatic Fracturing; Aerospace Site; Thousand Oaks, CA

Mr. Bodman was the project director for the remediation of Methyl Ethyl Ketone (MEK) contaminated soil for this aerospace site. Lithology for this site consisted of low-permeable soils. Remedial actions consisted of high vacuum soil vapor extraction (HSVE) utilizing a catalytic oxidizer and scrubber to destroy MEK contaminated vapors. Due to the low permeable soil matrix at the site, a subsurface pneumatic fracturing system was installed, forcing high-pressure air to fracture the soil matrix and increase vapor removal. Mr. Bodman provided oversight in the completion of the Remedial Action Work Plan and Remedial Action Plan.

Air Sparging/Low Vacuum Soil Vapor Extraction; Company Fueling Facility; Irvine, CA

Mr. Bodman was the senior project manager for the remediation of petroleum-contaminated soil and groundwater at this company operated fueling facility. Remedial actions consisted of low vacuum soil vapor extraction (LSVE) utilizing carbon to destroy petroleum contaminated vapors. Limited access drill rigs were utilized to drill beneath the building. Remediation of the groundwater involved the first air sparging system of its kind, approved by the Department of Health Services in Orange County. Sparging wells were installed within the capture zones of vapor extraction wells. Mr. Bodman provided oversight in the completion of the Remedial Action Work Plan and Remedial Action Plan. Closure of the site occurred within nine months of system startup for both soil and groundwater.

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Curriculum Vitae – Dale Bodman, P.E.

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Vapor Extraction, RCRA Site; Rail Station; Burbank, CA

Mr. Bodman was the project manager for the remediation of TCE and PCE contaminated soil and groundwater for the rail site located in Burbank, California. Remedial actions for this 400-foot long by 150-foot wide parcel consisted of ex-situ soil vapor extraction (SVE) with carbon. He was responsible for the preparation of the Closure Plan, Remedial Action Plan, the Remedial Action Work Plan and the Sampling and Analysis Plans. The remediation system consisted of over 25 vapor extraction wells drilled to depths of 60 feet below grade surface, screened in separate lithologies to remove TCE and PCE vapors from the contaminated soil zones. During remediation, the site was utilized as a major bus facility and was later converted into the Burbank train station. Soil Closure of this RCRA facility involved the installation of soil vapor probes to monitor vapor migration as well as rebound testing of the vapor extraction system to validate remediation vapor levels. A multi-dimensional risk assessment was performed for TCE and PCE vapor migration into the groundwater and the proposed train station. Mr. Bodman enhanced system performance and rebound testing to insure a critical completion date to ensure that the City of Burbank would not lose state funding for the proposed train station.

Orange County Transportation On-Call Contract; Orange County, California

Mr. Bodman was the project manager for this on-call contract for Orange County Transportation Agency (OCTA). Under this contract Mr. Bodman performed both soil assessment and underground storage tank removals along the expanded Interstate 5 route through Orange County. Investigations for petroleum and lead contaminated soils were performed. Several underground storage tanks were removed and closure sampling was conducted. Mr. Bodman provided the agency fast-track assessment and clean-up to insure no delays on property acquisition and construction for this major freeway expansion.

Service Station Outlets/Bulk Plants/Terminals; Mobil Oil Corporation; Various Sites, California

Mr. Bodman provided construction management of contractors building new ground up service stations. Work involved the construction of buildings, canopies, underground tanks and piping. Work also involved the total rebuild of existing service stations. Mr. Bodman completed over 30 new to industry and rebuild construction projects. Mr. Bodman also ran the program management for the installation of underground tanks and piping at over 300 retail outlets across California.

Low Level Radioactive Waste Facility; Compact and Federal; Andrews, TX

Mr. Bodman was responsible for all design and construction activities associated with the construction of a new low level radioactive waste facility. Work involved the construction of roads, two large low-level landfills, treatment ponds, water treatment systems, and seven large buildings used for the operation. The total project cost was over 100 Million dollars, with work completed under schedule and below budget. Mr. Bodman was also responsible for the management and oversight of all engineering contract services utilized by the company at the site. Mr. Bodman was instrumental in obtaining the certification from the State of Texas to operate the landfill. He also provided remedial technical oversight on a rail cleanup of heavy metals and radionuclide contaminated soil and groundwater.

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Curriculum Vitae – Dale Bodman, P.E.

Environmental Site Investigation and Remediation Professional

Selected Project Descriptions (Continued):

Seismic Monitoring Stations; Western United States
Mr. Bodman was responsible for the installation of over 100 seismic monitoring stations in the Western United States. A project funded by two federal agencies involved a network of monitoring stations along seismic faults. Many of the installations were in very remote areas with little or no access for drilling operations. Work involved the drilling of three 30-foot legs into bedrock and then grouting the legs. A platform and equipment capable of measuring very small movements of the bedrock were installed and tested for reliability.

Tank and Pump Farm; Huntington Beach, CA
Mr. Bodman was the project manager for the installation of a tank farm in Huntington Beach. The work involved the installation of four 20,000-gallon underground storage tanks and over one-quarter a mile of underground piping. As the prime contractor, Mr. Bodman was able to finish this project ahead of schedule and below budget.

Battery Plant; City of Industry, CA
Mr. Bodman was the senior project manager for this project that involved the decommissioning of this battery plant that had been in operation for over 50 years. Potential contamination involved both acid and lead used in the construction of batteries. Mr. Bodman provided oversight in the development of the sampling plan and the sampling conducted during demolition. Mr. Bodman established remediation goals for lead and obtained their approval from the lead regulatory agency (Los Angeles Fire Department). Areas of contaminated soil that exceeded regulatory requirements were removed from the property and disposed in accordance with regulatory guidelines.

Equipment and Tank Decommissioning; Waste Recycler; Phoenix, AZ
Mr. Bodman was the project manager for this project involving the decommissioning of equipment, an equipment room, and tanks used to recycle waste. Mr. Bodman coordinated and managed a contractor who performed decontamination cleaning of the equipment, room and tank. Both water and swipe samples were taken to validate decontamination was successful. Mr. Bodman arranged for the disposal of the tank contents, the tank, and equipment.

Stringfellow Acid Pits Superfund Site; Riverside, CA
Mr. Bodman was the senior project manager for the design, installation, and operation of a vapor extraction pilot test to determine the feasibility of this technology to remediate contamination of this superfund site. Extraction tests were performed at various depths and lithologies to predict air flow and remediation clean-up times for vapor extraction.

Air Force Facility; Phoenix, AZ
Mr. Bodman was the senior project manager for the remediation of petroleum-contaminated soil at this Air Force Plant located in Phoenix, Arizona. Work was conducted under an Air Force Center for Engineering and the Environment (AFCEE) contract. Remedial actions consisted of two large-scale soil vapor extraction (SVE) systems utilizing carbon to destroy petroleum contaminated vapors. Mr. Bodman was responsible for the design, construction, and operation of the systems.

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Curriculum Vitae – Zachary Gilmer, P.E.

Professional Civil & Environmental Engineer

San Clemente, California
310-995-7315
ZachGilmer@SustainableConsultingInc.com

Zach Gilmer has over 15 years of civil and environmental engineering and construction experience. He is a Licensed Contractor and Professional Engineer in the states of California and Washington. He has served as the project manager on a wide variety of projects with complex environmental concerns and client objectives. His remedial experience includes in-situ remediation, soil vapor extraction, bioremediation, air sparging, free product recovery, soil excavation, groundwater pump and treat operations, chemical oxidation/reduction, and vapor intrusion mitigation system support, design, and implementation at over 100 buildings. He has negotiated with various regulatory agencies and supported site closures with the United States and California Environmental Protection Agency, California Department of Toxic Substances Control, California State Regional Water Quality Control Board, and Washington State Department of Ecology.

Selected Project Descriptions:

Confidential Land Development Client, Oxnard, California – Served as Engineer of Record for a State-led, 92-acre, residential brownfield development site located adjacent to the Pacific Ocean. As project manager, performed remedial design and construction oversight of an 18,000-cubic-yard excavation and grading operation that characterized, segregated, and disposed of 6,000 cubic yards of soil to a nonhazardous landfill, with the remaining 12,000 cubic yards being graded and compacted as on-site cap material. Designed, permitted, and construction a 50+ well vapor extraction system, and assisted with vapor barrier foundation design with electronic communication/monitoring. This former waste disposal facility will be transformed into 300 residential properties and a habitat restoration area, regulated by the Department of Toxic Substances Control, City of Oxnard, Ventura County Air Pollution Control District, the Environmental Protection Agency, U.S. Fish and Wildlife, California Fish and Wildlife, and the Los Angeles Regional Water Quality Control Board.

California Steel, Fontana, California – Remedial Design Plan and Implementation, Environmental Areas of Concern (AOC), for a California steel industry company. As project engineer, provides client support throughout the Department of Toxic Substances Control Remedial Design Plan approval and construction implementation to achieve the remedial action objectives.

Confidential Shopping Center, Cerritos, California – As senior engineer, permitted and managed in-situ chemical oxidation (ISCO) injections across a large outdoor shopping center located in Cerritos, in order to reduce various volatile organic compounds in the groundwater to clean up goals.

Former Dry Cleaner, Seattle, Washington – As senior engineer, permitted and managed in-situ injection of colloidal activated carbon and zero valent iron to capture and stop off-Site migration of dry-cleaning solvents (e.g., PCE, TCE, and vinyl chloride) in groundwater meeting MTCA clean up goals for Washington State Department of Ecology.

Education:

B.S., California Polytechnic State University, San Luis Obispo. Bio-Resource and Agricultural Engineering Emphasis: Water / Soil Engineering and Construction Project Management, 2007

Specialized Training:

Registered Professional Engineer, Civil, #C-84703, CA

Registered Professional Engineer, Professional Environmental Engineer, #20105790, WA

CA General Engineering Contractor, Class A Haz-1023650

OSHA 40-hour Hazwoper Health and Safety Training

OSHA 8-hour Hazwoper annual refresher course (current)

Employment Experience :

McAlister GeoScience, 2019-Present

Sustainable Consulting, Inc. – Principal Engineer, April 2019-Present

Land Science Technologies – Western District Technical Manager, February 2017 – April 2019

SoundEarth Strategies, Inc. – Project Engineer, October 2014 – February 2017

Go Natural Gas – Project Engineer, June 2010 – October 2014

Katahdin Environmental, Corp. – Project Engineer, June 2010 – October 2014

California EPA/RWQCB – Volunteer, October 2009 – June 2010

EPD Consultants – Project Engineer, January 2009 – June 2009

Curriculum Vitae – Zachary Gilmer, P.E.

Professional Civil & Environmental Engineer

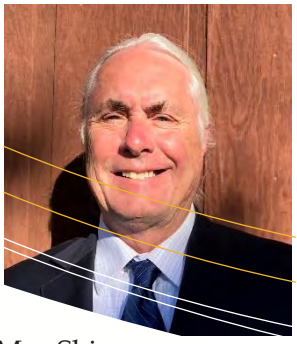
Selected Project Descriptions (Continued):

Point Dume Village, Malibu, California –As project engineer, troubleshot, upgraded, and monitored an advanced wastewater treatment system for an outdoor shopping center located in Malibu, in order to reduce noticeable odors, improve wastewater treatment processing, and discharge permit compliance with the City of Malibu and the California Coastal Commission.

Fueling Station Upgrade, Covina, California – City of Covina Compressed Natural Gas (CNG) Fueling Station Upgrade, Covina, CA. As project engineer, conceived, permitted, estimated, and generated a request for proposal (RFP) package containing bid specifications and construction drawings. Reviewed proposals and responded to contractor questions and transmittals for the upgrade of an outdated and undersized public CNG fueling facility. During construction, conducted regular inspections and implemented quality assurance measures to ensure construction activities conformed with the approved plan set and regulatory codes.

Design Build CNG Fueling Station, Santa Ana, California – As project engineer supported the Design-Build team for a new CNG Fueling Station. Mr. Gilmer designed, permitted, obtained grants, and supervised the construction for a turnkey alternative fueling station. This project included concrete pads, asphalt placement, curb and gutter, trenching, high pressure lines, health and safety, fueling islands with dispensers, utility upgrades and connections, landscaping, photometrics, vendor negotiations, contractor management, stormwater design, and sound extenuation. The project was completed on budget and schedule.

Low Threat Closure at Fueling Stations, Various Locations, California – As senior engineer, managed and implemented the site characterization and remedial efforts towards, and to gain, regulatory closure of a leaking gasoline underground storage tanks at various locations across California. Conceived, designed, reported, operated and maintained, troubleshot, decommissioned, coordinated with the California State Underground Storage Tank Cleanup Fund, supervised drilling events, and sampled a contaminated gas station until full site closure was accomplished and granted by various California Regional Water Quality Control Boards.



Curriculum Vitae – Brendan Shine, P.E.

Engineer, Director of Rocky Mountain Operations

P.O. Box 1042
Golden, Colorado 80402

Bren.shine@q.com
(303) 808-6133

Mr. Shine possesses experience in domestic and international consulting in environmental, geotechnical, hydrogeologic, and construction management projects. Mr. Shine has successfully completed projects for clients in the aerospace, petroleum, food, waste management, mining and other business sectors, and worked with government, both as an in-house contractor for the EPA and as a liaison for commercial clients. Focused experience includes field management of large-scale, high profile environmental and civil remediation programs, emergency responses, characterizations and monitoring programs, with hands-on experience in program design, budgeting, permitting, scheduling, management and problem solving. Mr. Shine has considerable experience in report preparation, critical review and project oversight.

Selected Project Descriptions:

Confidential Aerospace Client, Southern California – Senior Engineer for a major groundwater quality characterization effort involving installation of deep multi-port monitoring wells. Acquired access permits in urban from multiple regulatory agencies and provided logistical coordination between drilling contractor to maintain the compressed project schedule. Also managed data management and organization, establishment of field protocols, QAPP, information management procedures, and health and safety and work plan preparation. Responsible for well design based on geophysical and lithologic logs. Procured NPDES permit and managed discharge tracking and reporting for disposal of more than 1,000,000 gallons of development water. Provided or supported data interpretation and reporting, quality assurance/quality control and presentation tasks.

Beazer East, Gainesville, Florida – Senior Engineer and field team leader during the demolition and reclamation of a 90-acre Superfund wood treatment facility. Participated in design and implementation of key elements of the demolition and subsequent subsurface geophysical survey of the site for reported buried drums. Prepared the final demolition report, including waste stream and sample documentation and the buried drum investigation report.

Motorola, Arcade, New York – Senior Project Engineer, Lead Field Engineer/Remedial Site Supervisor at a former automotive electrical parts manufacturing facility in Arcade, New York. Successfully directed characterization and feasibility study and provided interaction with NYSDEC. Prepared work plans and supervised mobilization and field remediation activities for this multiple operable unit site that had been impacted by TCE, TCA, cadmium, chromium, and lead in surface water, sediment, soil, and groundwater. Remediation activities included extensive dig and haul with confirmation sampling, followed by soil replacement and excavation restoration; *in-situ* soil chemical treatment; creek bed diversion, excavation and restoration with extensive confirmation sampling.

Education:

M.E., Geological Engineering, Colorado School of Mines, Golden, 1985

B.S., Geological Engineering, Colorado School of Mines, Golden, 1982

Specialized Training:

Registered Professional Engineer, Civil, #28168, CO

Registered Professional Engineer, Civil, #070187, NY

Registered Professional Engineer, Civil, #18316, CT

Registered Professional Engineer, Civil, #062 049856, IL

EPA-Credentialed Environmental Inspector (current)

OSHA 40-hour Hazwoper Health and Safety Training

OSHA 8-hour Hazwoper annual refresher course (current)

OSHA 8-hour Supervisor Training

American Red Cross First Aid and CPR Certified (bi-annual)

Employment Experience (34 Years):

McAlister GeoScience, 2017-present

NOWCC Contractor to US EPA Region 8, Environmental Engineer, 2014-present

Palmer Engineering and Forensics, Senior Engineer, 2012-present

Tetra Tech GEO/Hydro-Search, Inc., Senior Engineer, Denver, CO, 1986-2012

Dames & Moore, Golden, CO, 1985-1986

Curriculum Vitae – Brendan Shine, P.E.

Engineer, Director of Rocky Mountain Operations

Selected Project Descriptions (Continued):

Rhom & Haas, Whitmoyer Laboratories Site, Myerstown, Pennsylvania – Senior Engineer/Operable Unit Supervisor and Field Operations Supervisor at a CERCLA site in Myerstown, Pennsylvania that had been used to manufacture livestock pharmaceuticals using arsenic, arsenilic acid, and other organics. Led the groundwater and surface water operable unit field programs, including oversight and design during construction and upgrade of an interim water treatment plant. Directed plant operation and supervised all field activities including groundwater and surface water quality and flow surveys, pretreatment pilot testing for organic acid breakdown using ultraviolet, ozonation, and reagent technologies, indoor and outdoor air quality sampling, waste management/disposal, and site health and safety monitoring.

Beazer East, Former Koppers Site, Gainesville, Florida – Senior Engineer responsible for logistical planning and field implementation for the comprehensive characterization of impacts to the Upper Floridan Aquifer at the former Koppers Site, Gainesville, Florida. Impacts resulted from historic operations at wood-treating plant that had been in operation for more than 90 years. Tasked with all phases of field implementation, well design and field method development, selection and oversight of numerous contractors, and reporting over a seven-year period for the installation of numerous complex, triple- and quadruple- telescoping cased wells designed to monitor water quality for the City of Gainesville primary drinking water source. Each well was equipped with Westbay multiport monitoring systems. Also managed the off-site shallow aquifer characterization. This program also required multiple isolation casing well installations to limit potential vertical contaminant migration. Also, responsible for community notification tasks, evaluation of the effectiveness of a pilot permanganate injection program, installation of Floridan Aquifer recovery wells to limit the migration of contaminants that had been detected in the aquifer, and planning for implementation of the demonstration-scale permanganate injection project.

Confidential Client, Lowry Landfill, Colorado – Project Engineer and Site Supervisor responsible for multiple Operable Unit activities during CERCLA data acquisition. Provided critical oversight of EPA contractor during field work and interpretation activities. Major participant in design and implementation of the gas (VOC and biogenic) and leachate specific OU characterization, including VOC gas migration assessment survey and meteoric infiltration (HELP) modeling. Field data was ultimately used to guide remediation at the site. Co-authored the remedial investigation.

Leprino Foods Company, Tracy, CA Plant – Project Manager – Lead the environmental characterization and remediation of soils and groundwater impacted by a historic diesel fuel release at one of the country's largest mozzarella manufacturing facilities. Acted as liaison between the client and the Regional Water Quality Control Board. Prepared and submitted a request for no-further action based on successful cleanup to no measurable product, no residual groundwater detections and acceptable soil vapor conditions. The consent order and monitoring has been rescinded at the site and we are awaiting a no-further-action determination.

Curriculum Vitae –
Dr. John R. Hoaglund, III, Ph.D.

Groundwater Modeler / Aqueous Geochemist / Hydrogeologist

7500 W. Lake Mead Blvd.
Suite 9-336
Las Vegas, NV 89128

john@geoproven.com
geoproven.com
Phone: (814) 574-2649

Dr. Hoaglund conducts hydrogeological investigations using available hydrological, geological, and geochemical data. Data is used to develop and calibrate groundwater models; use the models in predictive-mode for the management of groundwater resources. The context of these studies includes:

1. Groundwater flow and contaminant fate-and-transport modeling at environmental sites;
2. Aquifer testing;
3. Establishing wellhead protection zones;
4. Evaluating groundwater supply and its development and remediation; and
5. Feasibility studies (e.g., for aquifer storage and recovery, seawater barriers, effects of dams, etc.).

Dr. Hoaglund has developed reliable modeling software for the incorporation of geological subsurface reconstructions into groundwater models. Commercial software for geological reconstruction (e.g., EarthVision, MVS, etc.) is commonly cost prohibitive for environmental consulting projects.

Dr. Hoaglund has conducted hydrogeological investigations using environmental forensic techniques (including contaminant isotopes) as well as water characterization data (water quality, major ions, and stable isotopes) to characterize the groundwater geochemical evolution from recharge to discharge, and to evaluate both sources and origins of both the water and any contaminants

Selected Project Descriptions:

Work at the Nevada National Security Site (NNSS) - August of 2015 – Dr. Hoaglund was invited by Navarro to work as a groundwater modeler for the Nevada National Security Site (NNSS) environmental monitoring (EM) project. Starting in October of 2015, work focused mainly on the Pahute Mesa Corrective Action Unit (CAU), with additional support provided for the Yucca Flat CAU. Dr. Hoaglund was regularly involved in report review activities for both sites contributing well development, and testing (WDT) reports, summarizing field activities, analyzing the tests for aquifer parameters, and reviewing the local geochemistry. Software utilized included SeriesSEE (Halford et al., 2016), an Excel time series analysis algorithm from the USGS, to evaluate the pumping influence on several remote wells as affected by drilling production. The use of drilling data to obtain an estimate for transmissivity was a unique contribution to the overall study of the Pahute Mesa CAU, which was the location of the ER-20-12 well.

Education:

Ph.D. Geosciences; 1996. Michigan State University East Lansing, MI.

M.S. Geology; 1987. University of Wisconsin Madison, WI.

B.S. Geology; 1985. University of Wisconsin Madison, WI.

Affiliations:

National Groundwater Association

Geological Society of America

Nevada Water Resources Association

Curriculum Vitae – Dr. John R. Hoaglund, III, Ph.D.

Groundwater Modeler / Aqueous Geochemist / Hydrogeologist

Selected Project Descriptions (Continued):

Rhom & Haas, Whitmoyer Laboratories Site, Myerstown, Pennsylvania – Senior Engineer/Operable Unit Supervisor and Field Operations Supervisor at a CERCLA site in Myerstown, Pennsylvania that had been used to manufacture livestock pharmaceuticals using arsenic, arsenilic acid, and other organics. Led the groundwater and surface water operable unit field programs, including oversight and design during construction and upgrade of an interim water treatment plant. Directed plant operation and supervised all field activities including groundwater and surface water quality and flow surveys, pretreatment pilot testing for organic acid breakdown using ultraviolet, ozonation, and reagent technologies, indoor and outdoor air quality sampling, waste management/disposal, and site health and safety monitoring.

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Leprino Foods Company, Tracy, CA Plant – Project Manager – Lead the environmental characterization and remediation of soils and groundwater impacted by a historic diesel fuel release at one of the country's largest mozzarella manufacturing facilities. Acted as liaison between the client and the Regional Water Quality Control Board. Prepared and submitted a request for no-further action based on successful cleanup to no measurable product, no residual groundwater detections and acceptable soil vapor conditions. The consent order and monitoring has been rescinded at the site and we are awaiting a no-further-action determination.

Curriculum Vitae –
Joseph Landeros, GIT

Environmental Site Investigation and Remediation Professional

235 E. Broadway Suite 1120
Long Beach, California
90802

(626) 497-1710
Jlanderos@mcageosci.com
dirtyproperty.com

Mr. Landeros is a certified Geologist-In-Training experienced in geological field techniques, structural geology, geochemistry and GIS. He has proven to work well under-pressure. Mr. Landeros has experience conducting Phase I due diligence for clients including banks, institutional investors, and portfolio managers. Mr. Landeros possesses direct experience with the investigation, historical research, and hydrogeologic modeling of subsurface soil and groundwater impacts.

Selected Project Descriptions:

Phase I Environmental Site Investigations – Various Commercial Lending Clients
Hands-on and in-depth involvement in the field, data acquisition, and data evaluation aspects of Phase I Environmental Site Assessments. Investigations are successfully conducted on an accelerated time frame with tight budget constraints.

Phase II Environmental Site Investigations –Various Clients & Sites in California
Conducted Phase II Site Investigations at multiple sites in California and Texas. Previous investigations at the properties indicated that the long-term use of the Subject Property for industrial purposes including the documented use of hazardous materials and associated wastes. Mr. Landeros supervised a Phase II Investigation of the properties including advancing boreholes and collecting soil, soil vapor, and groundwater samples. Mr. Landeros served as lead author of the investigation reports under direct oversight of a licensed professional.

Methane Investigations – Various Clients & Sites in California
Mr. Landeros performed several investigations overseeing and directing geophysical and drilling contractors collecting subsurface methane samples in accordance with the City of Los Angeles Department of Building and Safety site testing standards for methane reference number LABC 7104.1 and the City of Long Beach Building and Safety Bureau Chapter 18.79 Methane Gas Mitigation.

Property Condition Assessments – Various Clients & Sites in California
Performed Commercial Due Diligence consisting of Property Condition Assessments at multiple sites in California and Texas. Mr. Landeros conducted the property inspections of the various features and systems of the property in question, including but not limited to the building frame and envelope, interior elements, plumbing and mechanical systems. Field observations and notes were compiled and used to provide the client with an opinion of costs to remedy physical deficiencies.

Education:

B.S., Geology, California State University of Long Beach, Long Beach, CA 2019

A.S., Geology, Chaffey College, Rancho Cucamonga, CA, 2017

Specialized Training:

OSHA 40-hour Hazwoper Health and Safety Training

Geologist-In-Training, State of California Board for Professional Engineers, Land Surveyors, and Geologists

Curriculum Vitae – Joseph Landeros, GIT

Staff Geologist

Selected Project Descriptions (Continued):

Groundwater Monitoring

Conducted groundwater monitoring for sites in Southern California and Washington. Mr. Landeros has worked on the sample collection, data analysis, and report writing portions of the projects. Experience implementing a Remedial Action Work Plan submitted to the Los Angeles Regional Water Quality Control Board (RWQCB) for the monitoring and reporting of groundwater impacts; predominantly Total Petroleum Hydrocarbons (TPH) in the gasoline and diesel range, various Volatile Organic Compounds (VOCs) including Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) and various volatile breakdown products as well as fuel oxygenates.

Curriculum Vitae –
Jorge Ramos

Environmental Site Investigation and Remediation Professional

235 E. Broadway Suite 1120
Long Beach, California
90802

JRamos@mcageosci.com
dirtyproperty.com
Phone: (562) 489-7908

Mr. Ramos is experienced in geological field techniques, structural geology, geochemistry and hydrology. He has proven to work well under-pressure and is in training to become a certified Geologist-In-Training. Mr. Ramos has experience conducting Phase I due diligence for clients, assisted in Phase II investigations and has conducted various Property Condition Assessments.

Selected Project Descriptions:

Phase I Environmental Site Investigations – Various Commercial Lending Clients
Hands-on and in-depth involvement in the field, data acquisition, and data evaluation aspects of Phase I Environmental Site Assessments. Investigations are successfully conducted on an accelerated time frame with tight budget constraints.

Phase II Environmental Site Investigations –Various Clients & Sites in California
Assisted in Phase II Site Investigations at several different sites in Southern California. Previous investigations at the properties indicated that the long-term use of the Subject Property for industrial purposes including the documented use of hazardous materials and associated wastes. Mr. Ramos assisted in Phase II Investigations of the properties including advancing boreholes and collecting soil, and soil composite samples.

Property Condition Assessments – Various Clients & Sites in California
Assisted in the Due Diligence consisting of Property Condition Assessments at several sites in California. Mr. Ramos conducted the property inspections of the various features and systems of the property in question, including but not limited to the building frame and envelope, interior elements, plumbing and mechanical systems. Field observations and notes were compiled and used to provide the client with an opinion of costs to remedy physical deficiencies.

Education:

B.S., Geology, California State University of Long Beach, Long Beach, CA 2020

A.S., Geology, Cypress College, Cypress, CA, 2017

Specialized Training:

OSHA 40-hour Hazwoper Health and Safety Training

First Aid, CPR, AED trained

Will Your Next Building Run On Fumes? How To Address Vapor Intrusion Risk And Keep People Safe

December 14, 2022 | McAlister GeoScience (https://www.bisnow.com/blogs/mcalister-geoscience) | John Knowles, Studio B Writer (https://www.bisnow.com/author/john-knowles-588277)

One of the major environmental challenges property owners, developers and managers face is vapor intrusion. Vapor intrusion (https://www.epa.gov/vaporintrusion/what-vapor-intrusion) poses a threat to indoor air quality when volatile organic chemicals present in the property's subsurface soil or groundwater seep into the building.

In extreme cases, these vapors can cause serious hazards (https://www.epa.gov/vaporintrusion/what-vapor-intrusion) including explosions and health effects. If a property is potentially impacted by vapor intrusion, several phases of investigation and remediation may be required, including mobilizations of drilling and laboratory contractors. As a result, multiple sample collection events may potentially increase costs and delay due diligence timelines, according to McAlister GeoScience (https://www.dirtyproperty.com/), a team of geologists and engineers providing practical solutions faced by commercial and industrial real estate professionals.

During the initial due diligence phase of most commercial real estate transactions, a Phase 1 Environmental Site Assessment (https://www.epa.gov/sites/default/files/2020-07/documents/assessing_brownfield_sites.pdf), or ESA, is performed to identify potential environmental impacts at the property, including indoor air quality. If a potential risk is identified, such as a leaking underground fuel tank at or near the property, the recommendation is made to perform a Phase 2 ESA.

Phase 2 ESA consists of collecting samples of soil, groundwater or soil vapor to better define the financial and environmental risks present. In the case of VOCs in the subsurface, the property should be evaluated for vapor intrusion risk utilizing the specific property and building characteristics, said David McAlister, founder of McAlister GeoScience.

“These evaluations take time and should be performed by an environmental professional with appropriate training and experience to avoid unnecessarily killing your deal or alerting people to an unrealistic risk,” McAlister said. “I always advise my clients to plan ahead for the due diligence process. Do not go for the low-cost leader, and do not rush through the process. Essentially, do not trip over the dollar trying to pick up the pennies.”

Bisnow spoke with McAlister about the effect of vapor intrusion on properties and some of the solutions to address these challenges.

Bisnow: Why is vapor intrusion a big issue when it comes to commercial real estate transactions?

McAlister: It is the fear of the unknown. If a vapor intrusion condition is actually present, the VOCs seeping into the building may present a cancer threat. This is especially true for what the Environmental Protection Agency (https://www.bisnow.com/tags/environmental-protection-agency) calls sensitive receptors (https://www3.epa.gov/region1/eco/uep/sensitivereceptors.html#:~:text=Region%201%3A%2 such as children, the elderly, pregnant women and people with compromised immune systems.

Bisnow: What can be done to make the indoor air quality safe?

McAlister: The first thing we need to do when there is a potential risk is run some calculations and evaluate the property based on real data. Unfortunately, it doesn't do any good to use the conservative values from the EPA's attenuation factors (https://www.epa.gov/vaporintrusion/visl-users-guide), which determine vapor intrusion in a building with a crawl space and wooden floor structures.

Each site is different and requires different engineering controls to mitigate subsurface vapors, such as a site using more modern concrete slab-on-grade construction techniques. It is imperative to hire a qualified environmental professional that can implement different methods depending on the building.

Another useful step is to collect subsurface soil gas and indoor air samples. However, this becomes challenging because fresh paint or carpet in the building can lead to false positives in the samples. If there are VOCs in the breathing zone of the building from subsurface contamination, we can implement building engineering controls, such as a venting system similar to what you would see to mitigate radon gas.

Bisnow: How does McAlister GeoScience approach vapor-contaminated buildings?

McAlister: A carefully implemented scientific investigation performed in a step-wise iterative process is the best approach. Don't skip steps or cut corners. Due diligence is a very important process. There are plenty of horror stories out there when due diligence was abbreviated and if you are a seasoned commercial real estate professional, you have heard them all.

We are careful to follow the ASTM guidelines for Phase 1 and Phase 2 ESAs, as well as vapor encroachment guidance. When it comes to mitigation, our geologists and engineers always take the time to look at problems objectively and develop a set of options and solutions making sense for the specific property and its intended use.

Bisnow: What are some of the most common challenges you are seeing?

McAlister: The type of property most often falling into these issues of a vapor intrusion threat is your standard local dry cleaning retailer, usually located in a small shopping center. The unfortunate truth is our most effective dry cleaning chemicals are carcinogenic at very low concentrations. Imagine trying to lease the space next to an active dry cleaner to a daycare center. Believe it or not, this happens and it can be a real challenge.

Bisnow: What makes McAlister GeoScience stand out from other companies?

McAlister: Here at McAlister GeoScience, we take our time and go through all the steps carefully, keeping public safety in mind. This does not mean the process requires two years in escrow or hundreds of thousands of dollars in consultant fees. We have multiple solutions to help you get your deal done efficiently, preventing it from turning into an endless research project.

We've been successfully helping our clients land their deals with applied engineering, science, chemistry, geology and physics for over a dozen years now. We hope to extend this level of service to many more commercial and industrial real estate professionals for years to come.

This article was produced in collaboration between Studio B and McAlister GeoScience (https://www.dirtyproperty.com/). Bisnow news staff was not involved in the production of this content.

Studio B is Bisnow's in-house content and design studio. To learn more about how Studio B can help your team, reach out to studio@bisnow.com (mailto:studio@bisnow.com).

Contact John Knowles at John.Knowles@bisnow.com (mailto:John.Knowles@bisnow.com)

See Also: U.S. Return To Office Lags Europe, Asia 3 Years Into Covid (/national/news/office/us-rto-lags-europe-asia-3-years-into-covid-117872)

Related Topics: Environmental Site Assessment (https://www.bisnow.com/tags/environmental-site-assessment), Vapor Intrusion (https://www.bisnow.com/tags/vapor-intrusion), David McAlister (https://www.bisnow.com/tags/david-mcalister), McAlister GeoScience (https://www.bisnow.com/tags/mcalister-geoscience), StudioB-1495 (https://www.bisnow.com/tags/studiob-1495), ASTM (https://www.bisnow.com/tags/astm)

MORE ABOUT OUR SPONSOR | MCALISTER GEOSCIENCE (HTTPS://WWW.DIRTYPROPERTY.COM/)

McAlister is a diverse geologists, engineers and environmental toxicologists providing multiple, creative and technically sound solutions for geologic and environmental challenges facing property owners, developers and managers.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 04/27/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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	E-MAIL ADDRESS:	

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INSURER B :	
INSURER C :	
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McAlister GeoScience
235 E Broadway, Ste 1120
Long Beach CA 90802

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A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:			CSIEL00288-00	02/10/2023	02/10/2024	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Contractor Pollution	$ 1,000,000 $ 100,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 1,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ $ $ $
	☐ **UMBRELLA LIAB** ☐ OCCUR ☐ **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $						EACH OCCURRENCE AGGREGATE	$ $
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ N / A **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below						☐ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ $ $
A	Professional Liability			CSIEL00288-00	02/10/2023	02/10/2024	Each Occ Aggregate	$1,000,000 $2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

INFORMATION PURPOSES ONLY

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE