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March 29, 2024

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

Attention: Mitch Adkison

Subject: Phase I Environmental Site Assessment Update
Highland Grove 4, Riverside, California

Dear Mr. Adkison:

Attached is one electronic copy of the Phase I Environmental Site Assessment Update report for the property comprised of six contiguous parcels of approximately 112.34 acres of land located in Riverside County, California (the Subject Property). Assessor Parcel Numbers (APNs):

- 270060009 (EL RJ Sobrante, LLC, 19.09 acres)
- 270060005 (EL RJ Sobrante, LLC, 5.24 acres)
- 270060016 (Garcia, 4.43 acres)
- 270070002 (Cardey, 43.74 acres)
- 270070001 (El, RJ Sobrante, LLC, 13.39 acres)
- 270160004 (EL RJ Sobrante, LLC, 26.45 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

Highland Grove 4
Riverside County, California

March 29, 2024

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 Engineers Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of six contiguous parcels of approximately 112.34 acres of land located in Riverside, CA (the Subject Property).

The Subject Property consists of undeveloped land with native vegetation 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.

Two groundwater wells are located on the western portion of the Subject Property. One groundwater well is located on the northwest portion of the property and one is located on the central-west portion of the Subject Property. The central-west 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 previous Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. The north-west well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump in a well house.

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 northwest and east, undeveloped and agricultural land to the north and undeveloped land to the west and south.

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. The orchards on the Subject Property appear to have been cleared in the 2006 aerial photograph. From 2006 to 2020, the Subject Property appears to have been undeveloped land.

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 condition (REC), a controlled recognized environmental condition (CREC), a historical recognized environmental condition (HREC), a de minimis condition or a Business Environmental Risk (BER) in connection with the Subject Property.

This assessment has revealed evidence of a de minimis condition and a Business Environmental Risk (BER) in connection with the Subject Property.

- The discarded household trash/ debris, bags of soil and 55-gallon drums on the Subject Property are considered a *de minimis* condition.
- Based on the presents of the on-site wells and potential for the wells to act as conduits to the subsurface, they are considered a business environmental risk (BER).

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;
- Abandonment or removal of irrigation piping located onsite, following sampling and analysis for asbestos containing materials potentially present in the irrigation piping;
- Removal and proper disposal of the household trash/ debris, bags of soil and 55-gallon drums; and
- Proper abandonment of the on-site wells if they are no longer to be used to prevent them from becoming a conduit to the groundwater.

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Introduction

McAlister GeoScience was retained by Adkison Engineers Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment Update (Phase I ESA) for the property comprised of six contiguous parcels of approximately 112.34 acres of land located in Riverside, CA (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 February 5, 2024 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 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

The Subject Property consists of six contiguous parcels of approximately 112.34 acres of land located in Riverside, CA. The Subject Property at the time of the site reconnaissance was undeveloped land with no buildings or structures.

2.2 Site and Vicinity Characteristics

2.2.1 General Property Type and Use

The Subject Property is undeveloped land with native vegetation and dirt roads. According to the County of Riverside, the Subject Property is zoned as A-1-10.

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/debris were observed.

2.2.3 Subject Property Size

The Subject Property is approximately 112.34 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. Vegetation was dense across portions of the property, thereby limiting a complete visual inspection of this area.

2.2.8 Topography

The surface of the Subject Property is approximately 1,371 feet above mean sea level. The Subject property gradually slopes slightly down 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 groundwater monitoring reports.
Regional Flow Direction:	The regional groundwater flow direction is expected to be northwest.
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 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, 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.

Historic Use Information

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

- Aerial Photographs: 1931 – 2020 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: No Listings 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. The orchards on the Subject Property appear to have been cleared in the 2006 aerial photograph. From 2006 to 2020, the Subject Property appears to have been undeveloped land.

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 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 began redevelopment for residential purposes. By 2006, the northeast adjoining properties appear to have been developed with residential homes.

3.2.2 Aerial Photographs

The review of historic aerial photographs revealed prior to the mid-1960s, the area surrounding the Subject Property was undeveloped and became 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 began redevelopment for residential purposes. By 2006, the northeast adjoining properties appear to have been developed with residential homes.

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 was conducted for city directories which include coverage of the site area using the EDR City Directory Collection and other sources, if needed. No listings for directories for the site area were identified.

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 were observed 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.

The current Subject Property is only the western portion (112.34 acres) of the previous 345.1 acres of land assessed.

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 (3) 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.

Phase I Environmental Asssessment by McAlister GeoScience, dated June 9, 2023

McAlister GeoScience performed a previous Phase I Environmental Site Assessment update for the now southwest adjoining property in June 9, 2023. The subject site (four contiguous parcels of land of 95.9 acres) was previously a part of the "subject property" which encompassed approximately 350 acres of land across 15 parcels in 2015. At the time of the Phase I ESA, the property was undeveloped land. No RECS, CRECS, HRECS, *de minimis* conditions or Business Environmental Risk (BER) were identified.

The 2023 Phase I ESA recommended following actions:

- 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.

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 three (3) sites listed within a 0.50-mile radius from the Subject Property. These sites are further discussed in section 6.1.

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 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.

3.4.8 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.

3.4.9 Riverside County Department of Environmental Health

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

3.4.10 Riverside County Fire Department

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

3.4.11 Riverside Public Utilities

Municipal water is supplied to the area by the Riverside Public Utilities. Based on the most recent 2022 Water Quality Report, the municipal water supply meets all current criteria established by the Safe Drinking Water Act (SDWA) and local municipal drinking water standards, including those for lead.

3.4.12 Local General Aviation Traffic

The air traffic reporting website, FlightAware.com was reviewed and the Subject Property is located in 22 miles southwest of Chino 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 User Provided Information

Adkison Engineers Inc. dba Adkan Engineers is identified as the user of this Phase I ESA.

The ASTM standards identify tasks to be performed by the user to help identify the possibility of recognized environmental conditions in connection with the Subject Property. These tasks do not require the technical expertise of an environmental professional and are generally not performed by environmental professionals performing a Phase I ESA. In order to qualify for the landowner liability protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the user must provide the following information, if available, to the environmental professional.

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 Title Records

A title report was not provided by the user.

4.2 Environmental Liens or Activity and Use Limitations

The user is not aware of any environmental liens or current activity or land use restrictions related to the Subject Property.

4.3 Specialized Knowledge

The user has no specialized knowledge of the Subject Property, such as engineering controls or institutional controls at the site because of environmental contamination, chemical spills or environmental cleanups performed The user is not aware of any environmental litigation, action or notices filed against the property, or of oil tanks, landfilling or drug lab activities onsite.

4.4 Commonly Known or Reasonably Ascertainable Information

Commonly known or reasonably ascertainable information related to the Subject Property as provided by the user is consistent with a portion of the findings discussed in this report. Specifically, the property currently consists of agricultural and undeveloped land.

4.5 Valuation Reduction for Environmental Issues

The user is not aware of any reductions in value for the Subject Property due to potential environmental contamination.

4.6 Owner, Property Manager and Occupant Information

A phone interview was completed with Mitch Adkison, Executive Vice President of Adkan Engineers and potential soil and/ or groundwater impacts were not identified for the Subject Property. Mr. Adkison, 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 March 24, 2024. At the time of the site reconnaissance, the weather was overcast and approximately 60 degrees Fahrenheit. Portions of Subject Property were inaccessible or could not be viewed due to the overgrown vegetation.

5.2 Activities/Processes Conducted at the Property

The Subject Property consists of undeveloped land with native grasses and dirt roads. Several areas of unauthorized dumping of household trash were observed. 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 undeveloped and agricultural land.

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 undeveloped land.

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

Areas of discarded household trash and debris were observed. What appeared to bags of soil were observed in the central portion of the Subject Property. Two white 55-gallon drums of unknown contents were observed on the western portion of the property. Similar drums were observed on the boundary of the nearest western adjoining property.

The discarded household trash/ debris, bags of soil and 55-gallon drums on the Subject Property are considered a *de minimis* condition.

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.

5.5 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.
The previous pole-mounted transformer adjoining the water well is no longer present. No leaking or staining was observed in the area of the transformer.

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 infiltrate directly into the soil.

5.15 Wells

Two groundwater wells are located on the western portion of the Subject Property. One groundwater well is located on the northwest portion of the property and one is located on the central-west portion of the Subject Property. The central-west 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 previous Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. The north-west well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump in a well house.

Based on the presents of the on-site wells and potential for the wells to act as a conduit to the subsurface, they are considered a business environmental risk (BER).

5.16 Leach Fields/Septic Tanks/Cesspools

Leach fields, septic tanks, or cesspools were not observed during the site reconnaissance.

5.17 Indication of Fill Sites or Dumping

Indications of fill sites or dumping 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.

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.

6.2 Subject Property Database Listings

The Subject Property was listed on the following databases reviewed:

- Victoria Grove Specific Plan, the Subject Property, was listed on the CIWQS and CERS databases. Listed with a CERS description of, "Wetlands- Fill and Dredge Material." Based on no environmental hazard identified, this listing is not considered a threat to the Subject Property.

6.3 Surrounding Property Database Listings

The adjoining properties were listed on the following databases reviewed:

- K-Ranch-Lake Mathews, 14480 Blackburn Rd, approximately 427 feet northeast and cross-gradient, is listed on the HIST UST database. 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 database for containing a 500- gallon diesel UST. Based on the distance and no identified releases, this site does not present a threat to the Subject Property.

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 an 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

The Subject Property is listed on CIWQS and CERS databases. None of the database listings nor operations on the Subject Property are likely to produce a vapor encroachment condition.

7.3 Opinions

There are no database listings or operations conducted at the Subject Property or surrounding properties considered an environmental concern; therefore, not likely to present a pVIC for 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 Engineers Inc. dba Adkan Engineers (the Client) to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the property comprised of six contiguous parcels of approximately 112.34 acres of land located in Riverside, CA (the Subject Property).

The Subject Property consists of undeveloped land with native vegetation 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.

Two groundwater wells are located on the western portion of the Subject Property. One groundwater well is located on the northwest portion of the property and one is located on the central-west portion of the Subject Property. The central-west 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 previous Phase II investigation was 16.38 feet below ground surface (bgs) and total depth was 61.35 feet bgs. The north-west well appeared to be constructed with a four-inch casing and a down-hole submersible electric pump in a well house.

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 northwest and east, undeveloped and agricultural land to the north and undeveloped land to the west and south.

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. The orchards on the Subject Property appear to have been cleared in the 2006 aerial photograph. From 2006 to 2020, the Subject Property appears to have been undeveloped land.

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 condition (REC), a controlled recognized environmental condition (CREC), a historical recognized environmental condition (HREC), a *de minimis* condition or a Business Environmental Risk (BER) in connection with the Subject Property.

assessment has revealed evidence of a de minimis condition and a Business Environmental Risk (BER) in connection with the Subject Property.

- The discarded household trash/ debris, bags of soil and 55-gallon drums on the Subject Property are considered a *de minimis* condition.
- Based on the presents of the on-site wells and potential for the wells to act as conduits to the subsurface, they are considered a business environmental risk (BER).

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 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.
- Removal and proper disposal of the household trash/ debris, bags of soil and 55-gallon drums.
- Proper abandonment of the onsite wells if they are no longer to be used to prevent them from becoming a conduit to the groundwater.

Signatures of Environmental Professionals

Mr. Jorge Ramos 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. Ramos and Mr. McAlister are included in this Section of the report.





Jorge Ramos
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."

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.

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. 7596139, March 15, 2024.

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

Riverside County Office of the Assessor - http://www.asrclkrec.com/Assessor/PropertyDataCenter.aspx

Riverside County Department of Environmental Health- https://rivcoeh.org/

Riverside County Fire Department- https://www.rvcfire.org/

Riverside County Public Works- https://rivco.org/public-works-and-community-services

Riverside Public Utilities- Water Quality Report 2022_Digital_EnglishSpanish

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

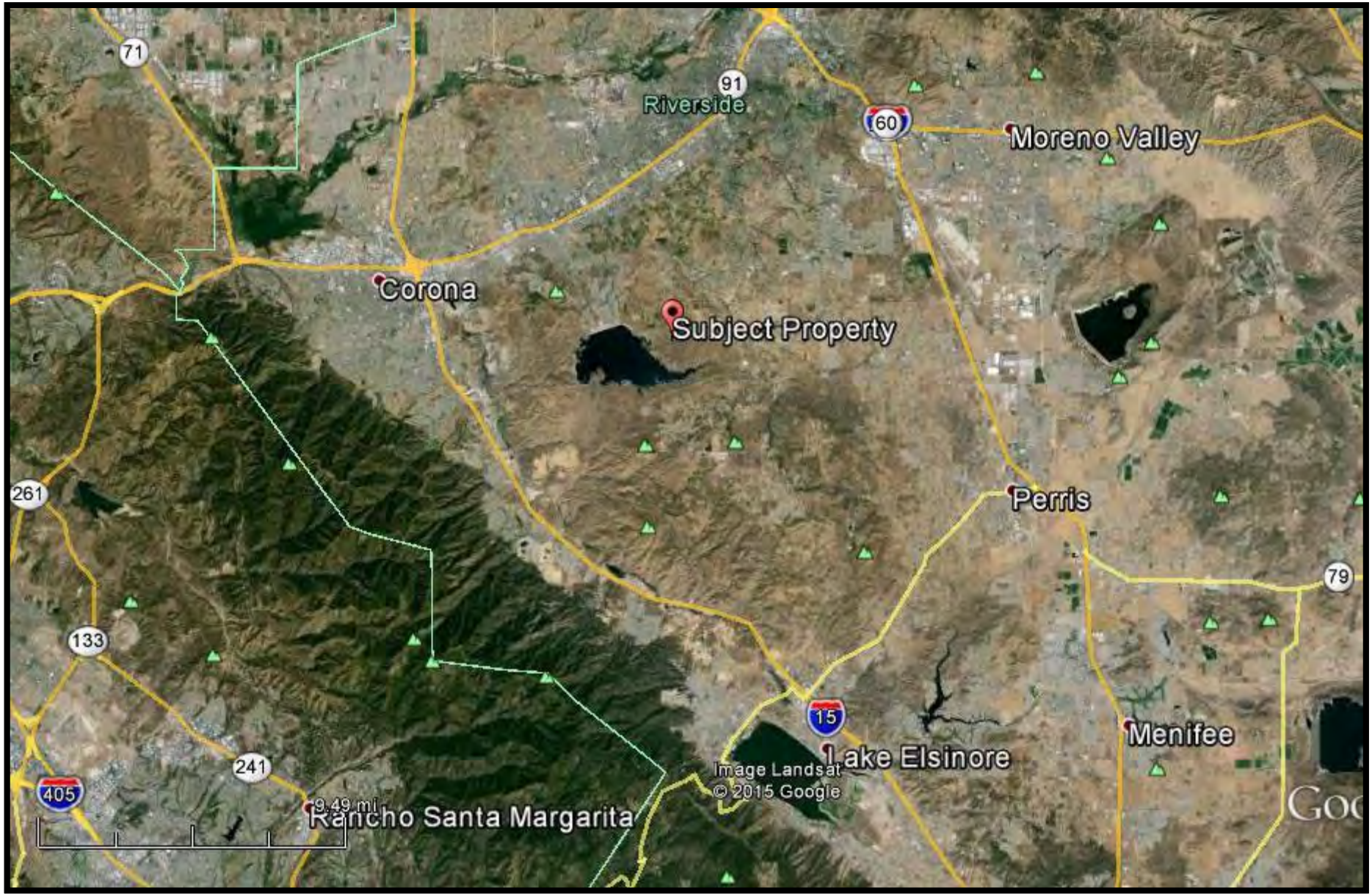
State of California Department of Toxic Substances Control , EnviroStor online Database – http://envirostor.dtsc.ca.gov/

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*

Legend

Subject Property

GW FLOW

N

TITLE: **Site Location Map**

LOCATION: **Highland Grove 4**

Riverside, California

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

CHECKED:	D.McAlister
DRAFTED:	J.Ramos
PROJECT:	24-03008
DATE:	03-26-24

FIGURE: 1



SOURCE: *Google Earth*

Legend:

- T — Historic Pole-Mounted Transformer Location
- Groundwater Well
- Area of Household Trash Dumping and bags of soil
- 55-gallon Drums

N

TITLE: **Site Plan**

LOCATION: **Highland Grove 4**

Riverside, California

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

CHECKED:	D.McAlister
DRAFTED:	J.Ramos
PROJECT:	24-03008
DATE:	03-26-24

FIGURE: 2

Appendix A

Site Photographs

Appendix A – Photographic Log

Highland Grove 4
Riverside County, California

Photo: 1 **Description:** The Subject Property consisting of undeveloped land. **Orientation:** Facing southeast	

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

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

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

Photo: 4 **Description:** Bags of what appear to be soil adjoining the ravine of the property. **Orientation:** Facing north	

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

Photo: 5 **Description:** Household trash/ debris on the western portion of the property. **Orientation:** Facing west	

Photo: 6 **Description:** Two 55-gallons drums on the northwest portion of the property. **Orientation:** Facing southeast	

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

Photo: 7 **Description:** Northwest groundwater well in well house. **Orientation:** Facing north	

Photo: 8 **Description:** West-central water well. **Orientation:** Facing east	

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

Photo: 9 **Description:** Irrigation piping observed. **Orientation:** Facing north	

Photo: 10 **Description:** Eastern portion of the property. **Orientation:** Facing east	

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

Photo: 11 **Description:** East adjoining properties. **Orientation:** Facing southeast	

Photo: 12 **Description:** West adjoining properties. **Orientation:** Facing west	

Highland Grove 4
Riverside County, California

Photo: 13 **Description:** South adjoining property. **Orientation:** Facing south	

Photo: 14 **Description:** Northwest adjoining properties. **Orientation:** Facing south	

McAlister GeoScience

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

Highland Grove 4
Riverside County, California

Photo: 15 **Description:** North adjoining property. **Orientation:** Facing north	

Photo: 16 **Description:** View of the Subject Property. **Orientation:** Facing southeast	

McAlister GeoScience

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

Appendix B

Historic Aerial Photographs, Topographic Maps, and Fire Insurance Maps

Highland Grove 4

El Sobrante Road

Riverside, CA 92503

Inquiry Number: 7596139.5

March 14, 2024

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

03/14/24

Site Name:

Highland Grove 4
El Sobrante Road
Riverside, CA 92503
EDR Inquiry # 7596139.5

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
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 30, 1938	USDA
1931	1"=500'	Flight Date: September 18, 1931	FAIR

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EDR


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EDR

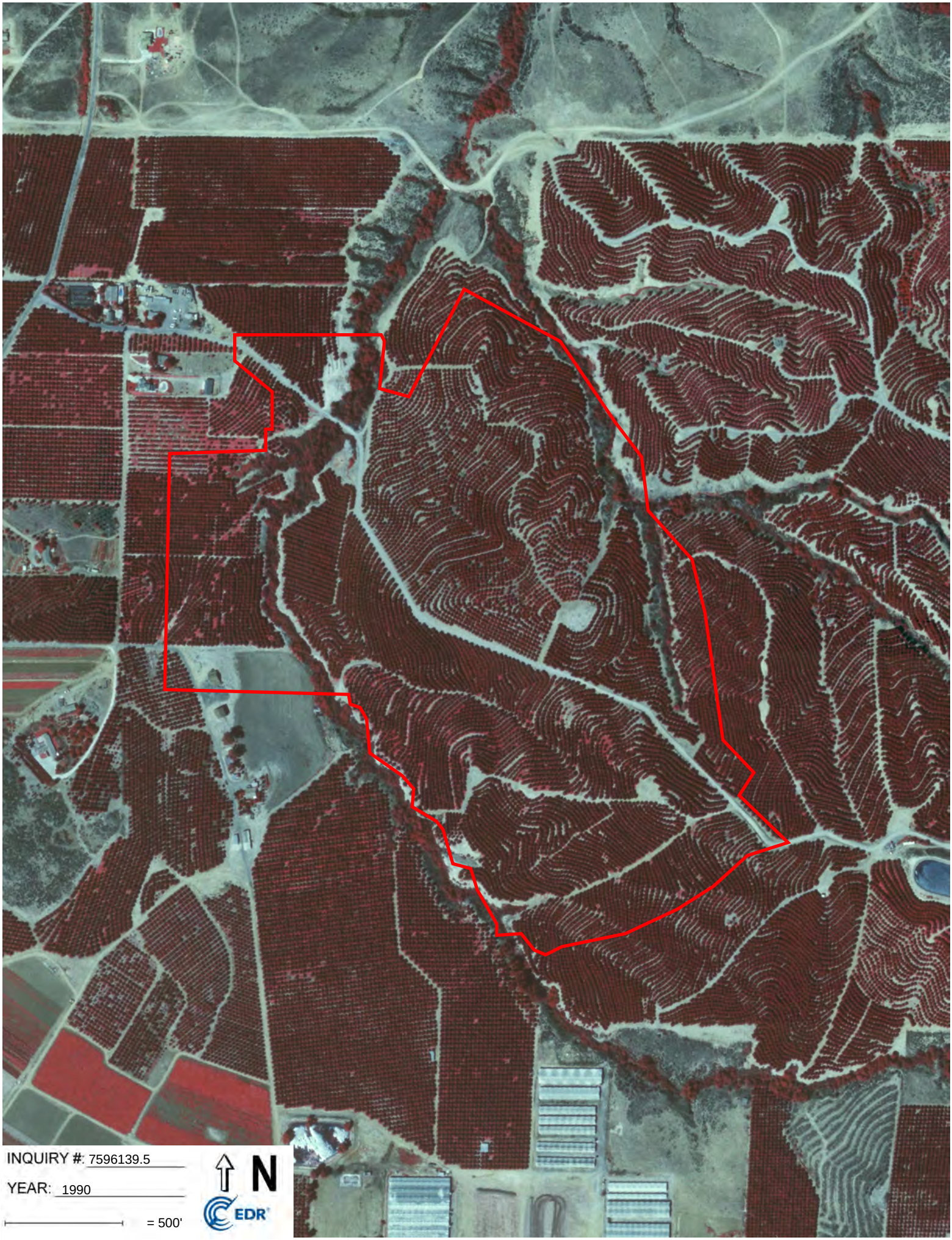

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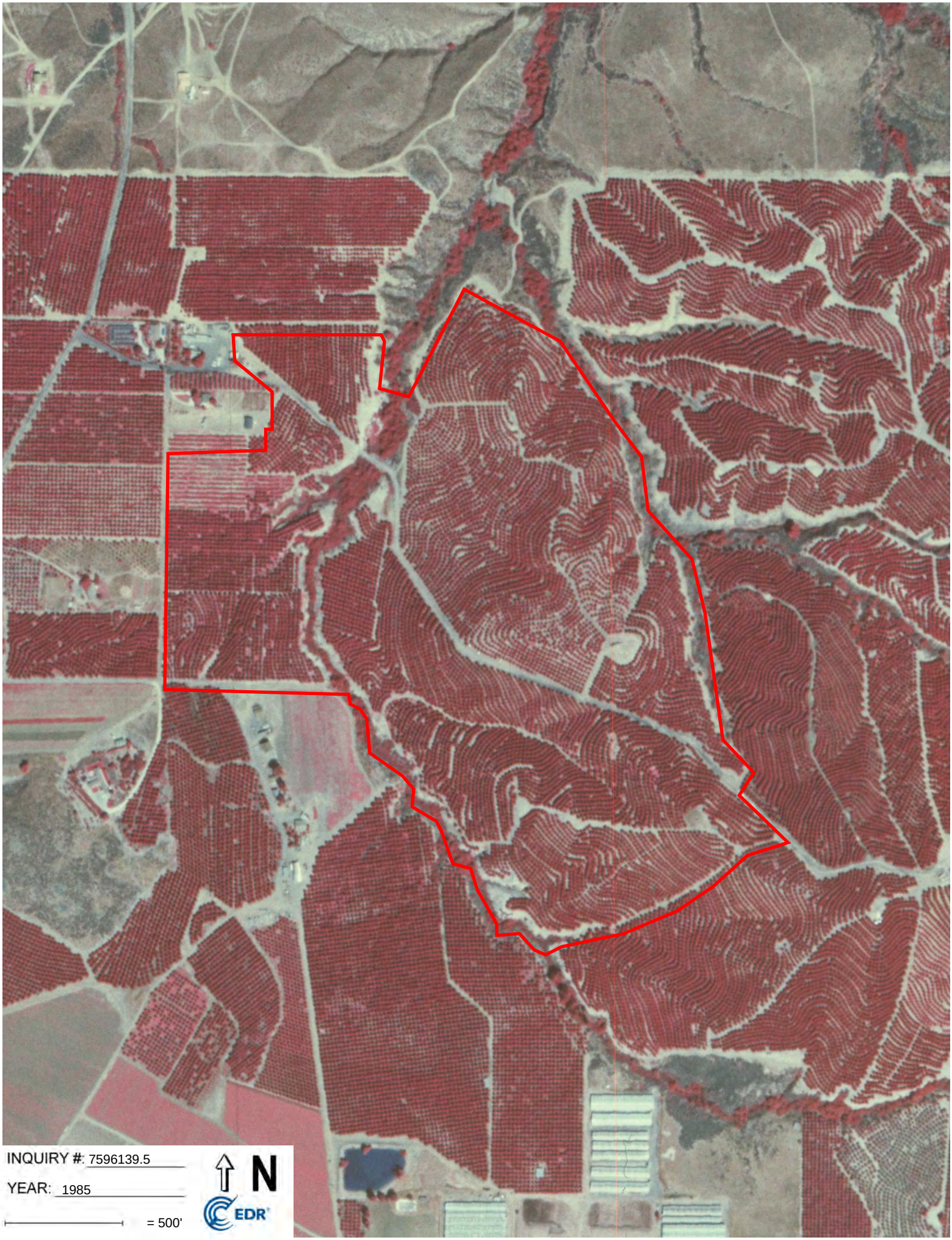

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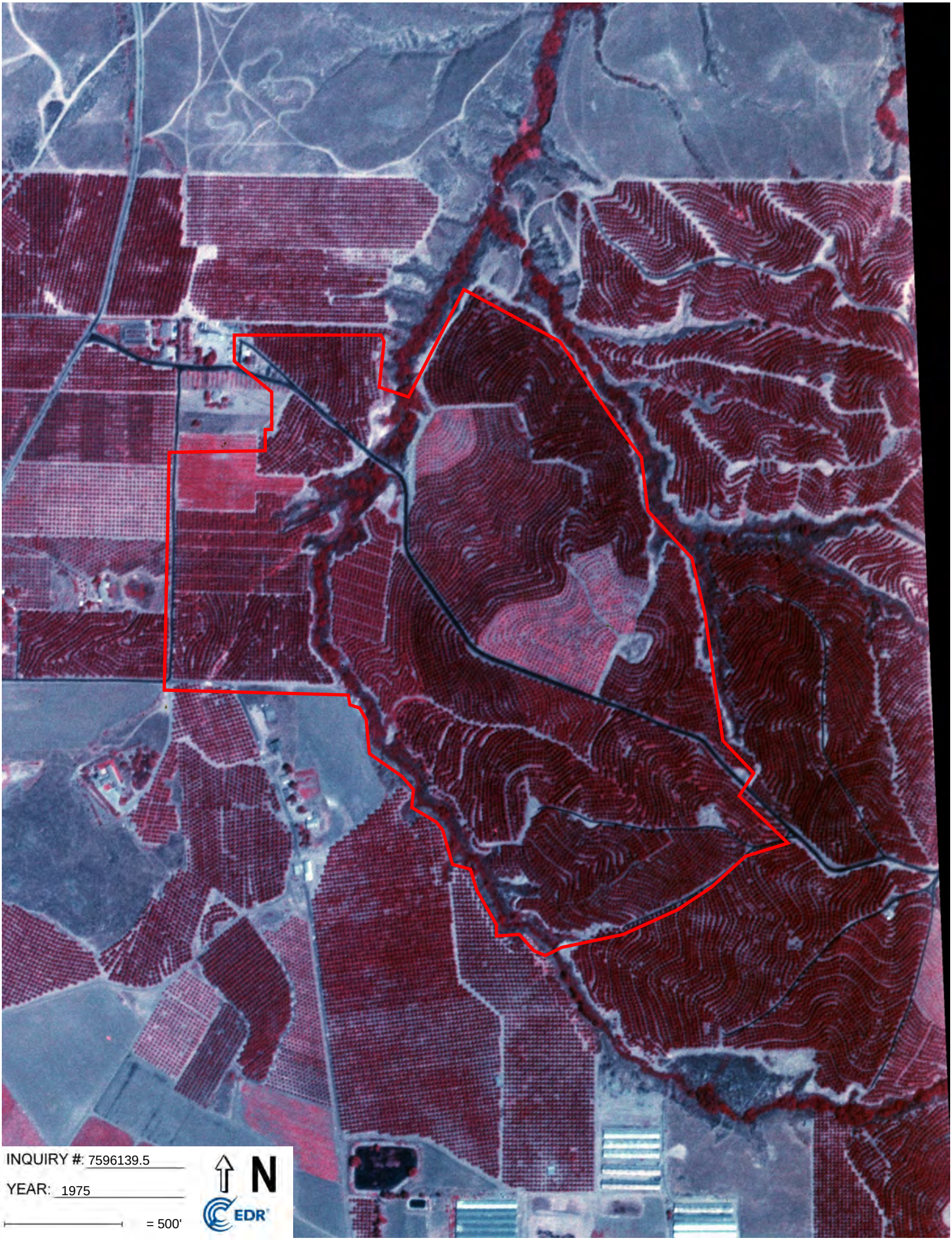

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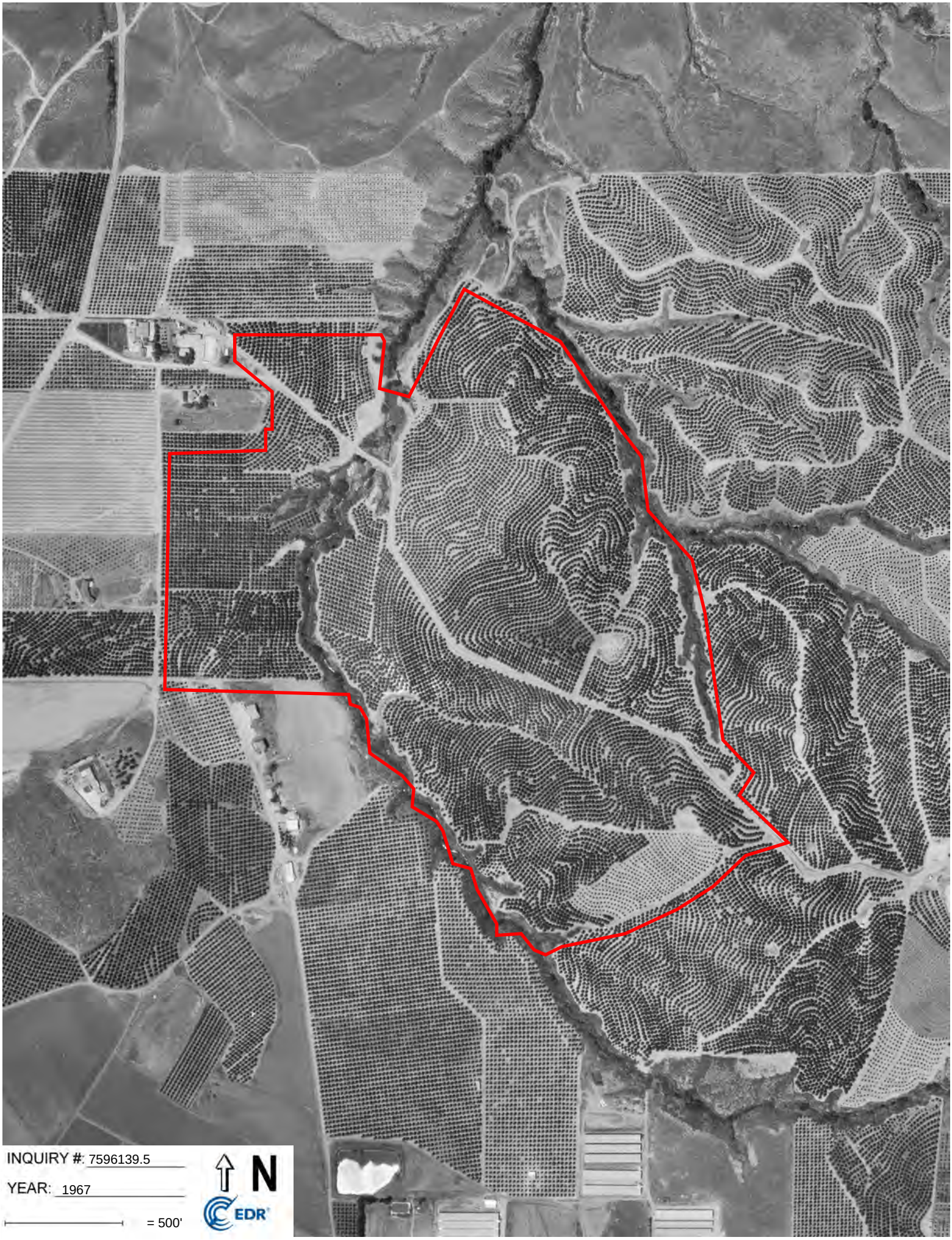

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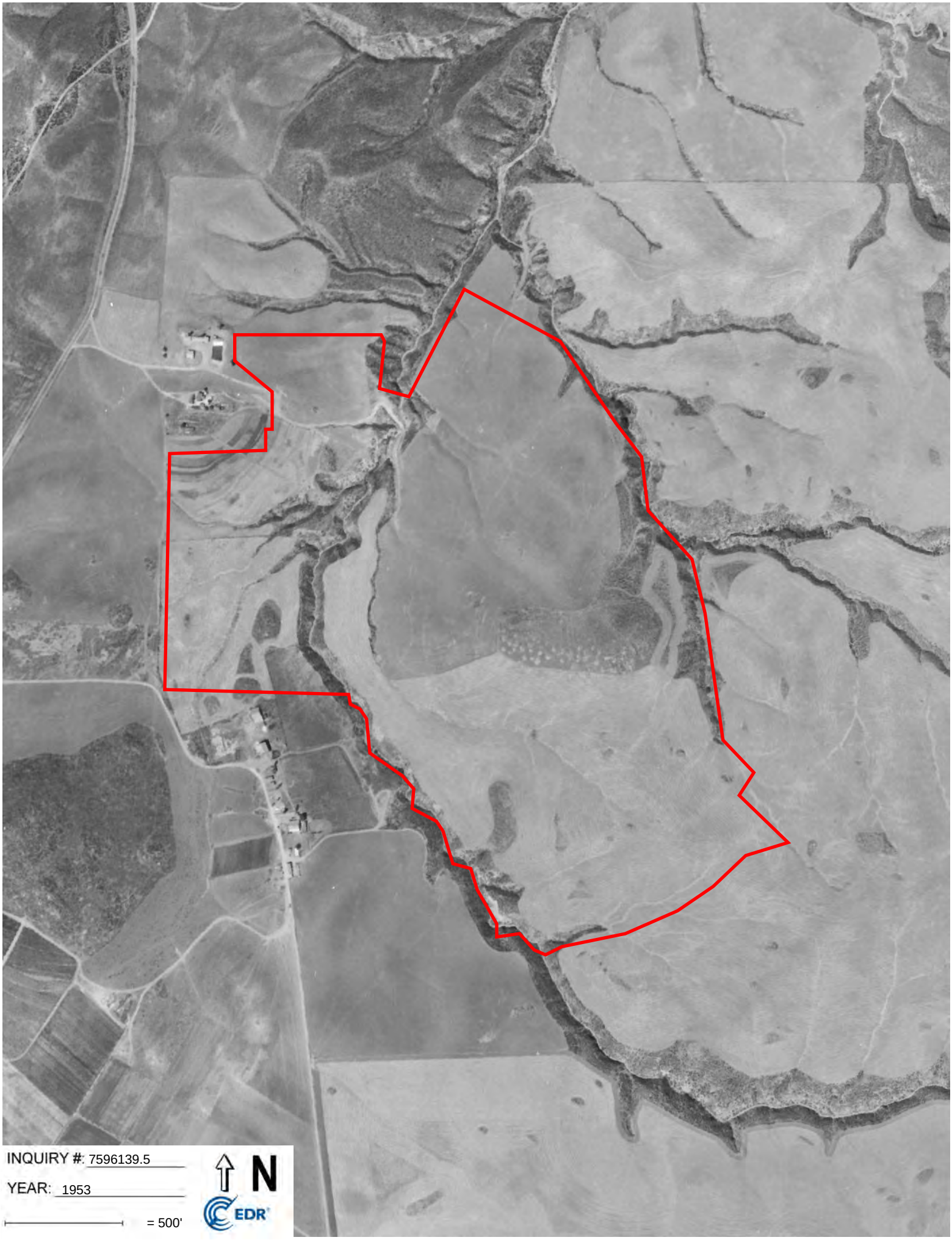

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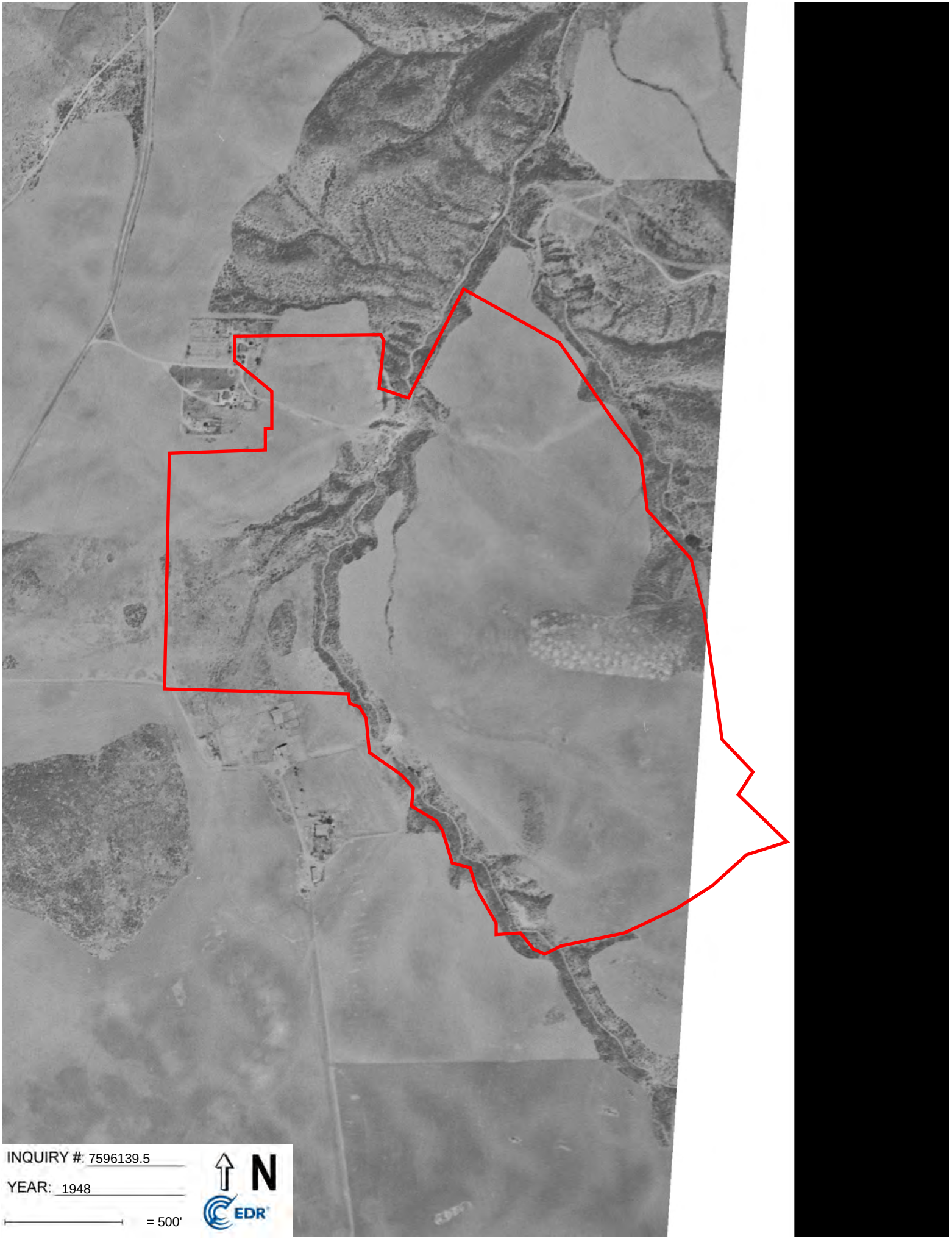

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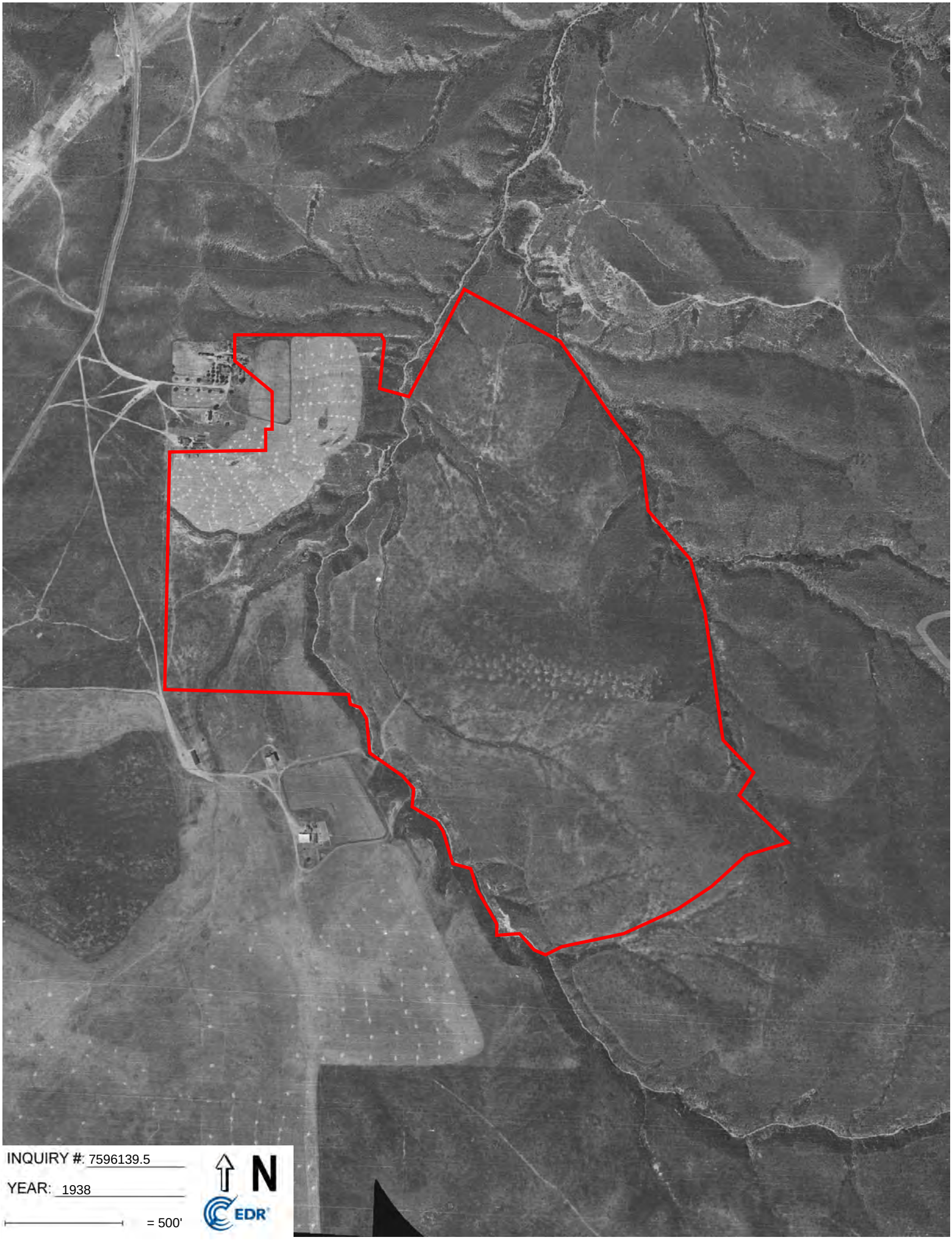

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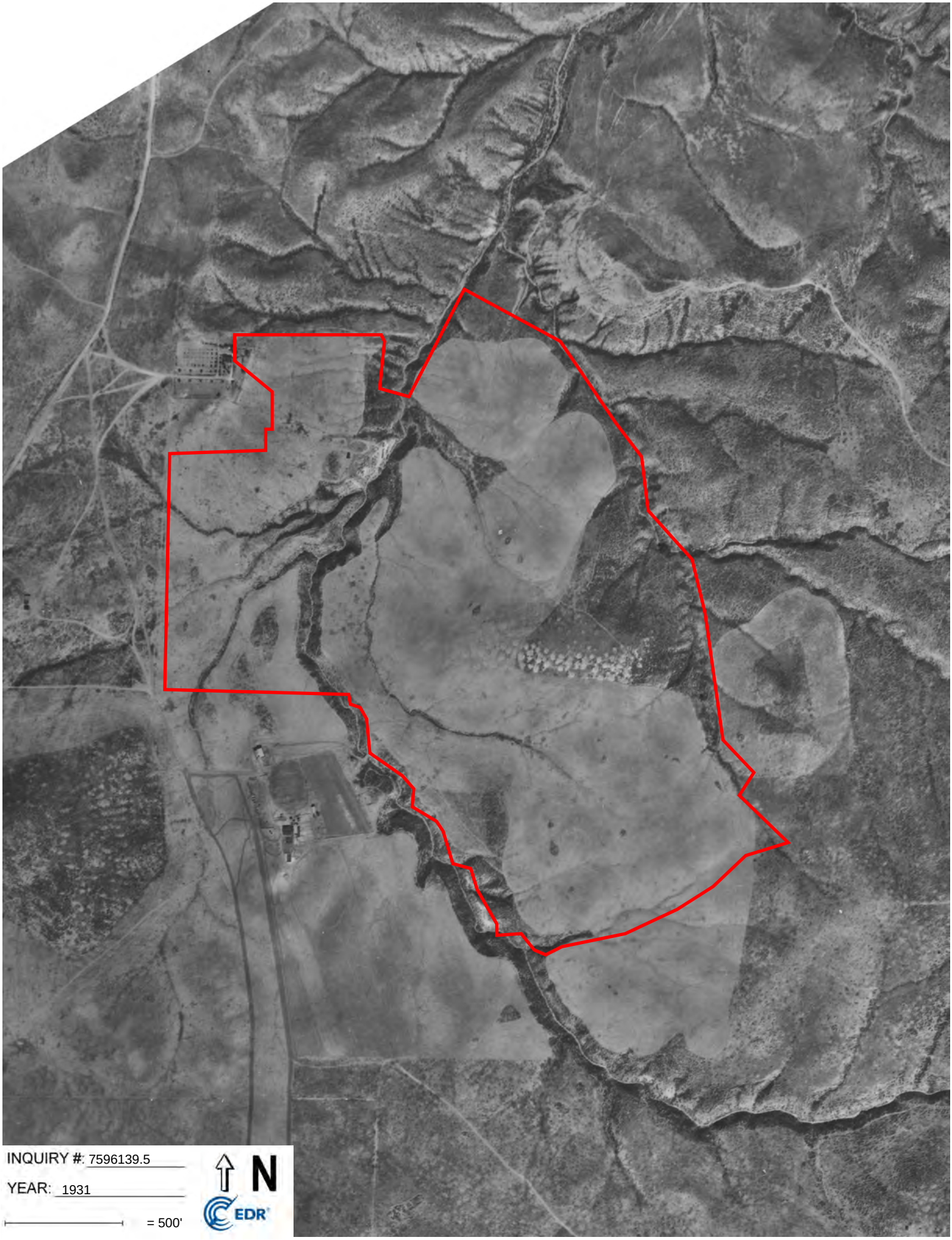

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EDR


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EDR


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EDR


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YEAR: 1938
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EDR



INQUIRY #: 7596139.5

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.

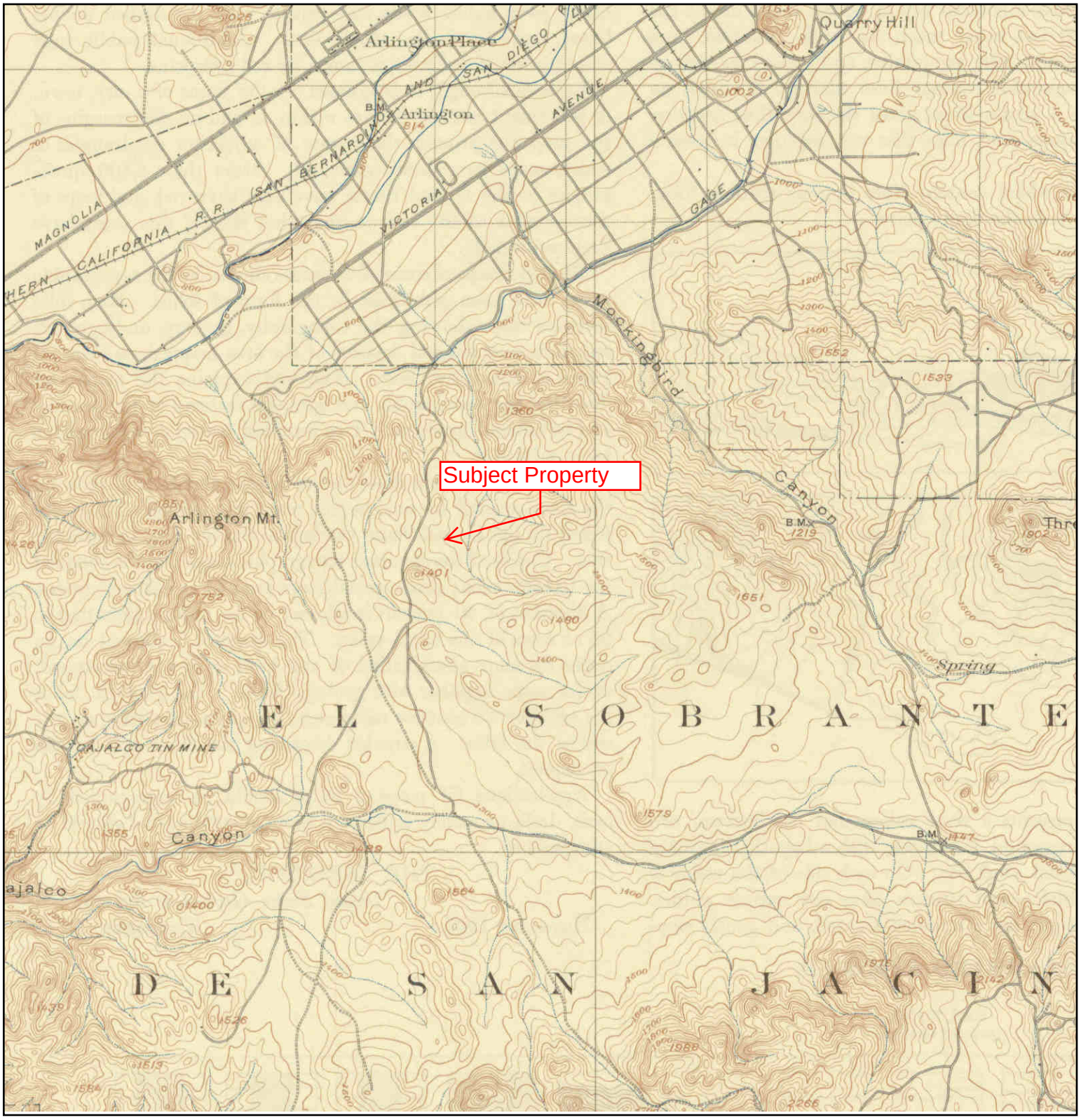
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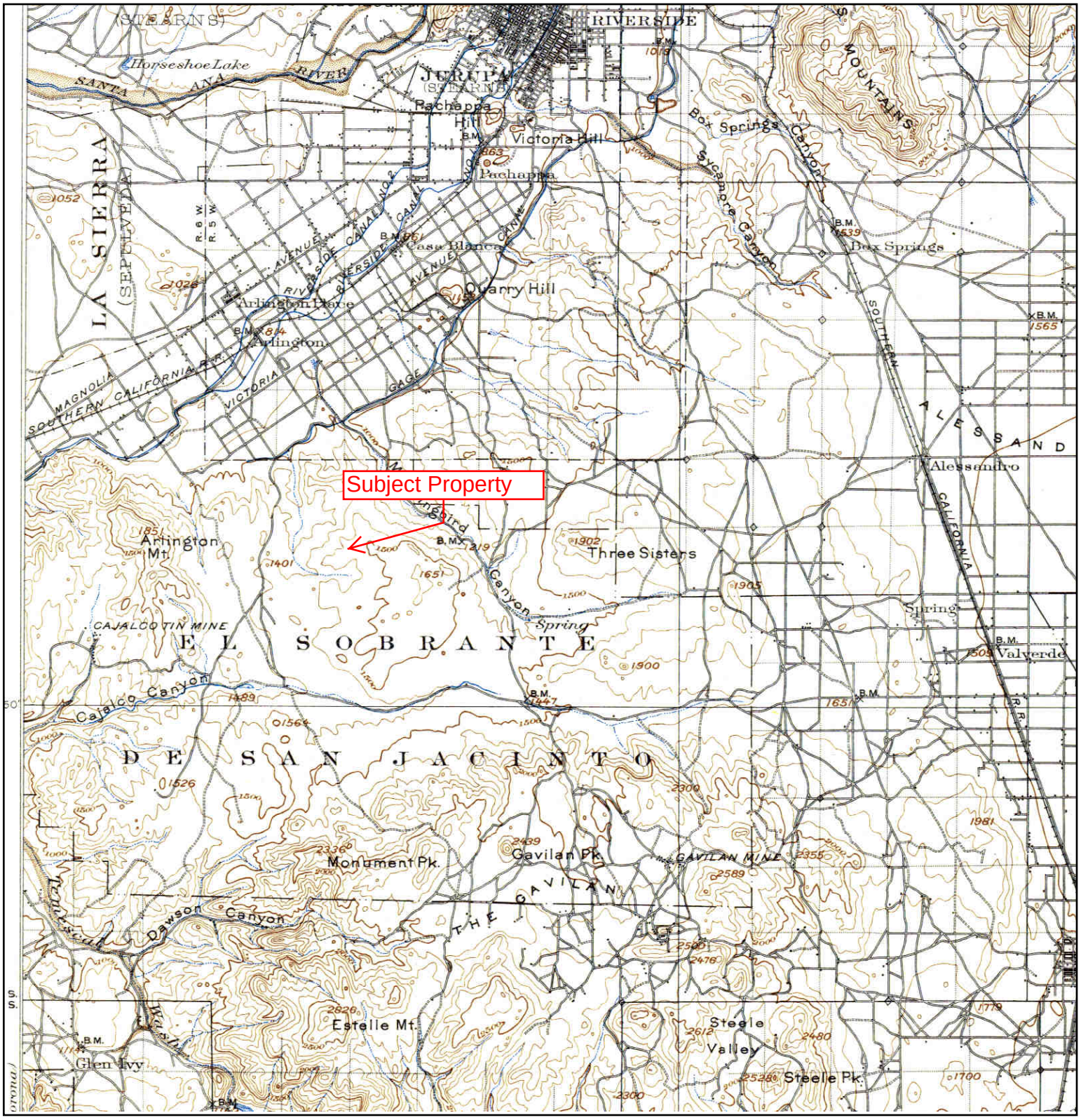
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Historical Topographic Map



N	TARGET QUAD NAME: RIVERSIDE MAP YEAR: 1901 SERIES: 15 SCALE: 1:62500	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: 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 MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	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



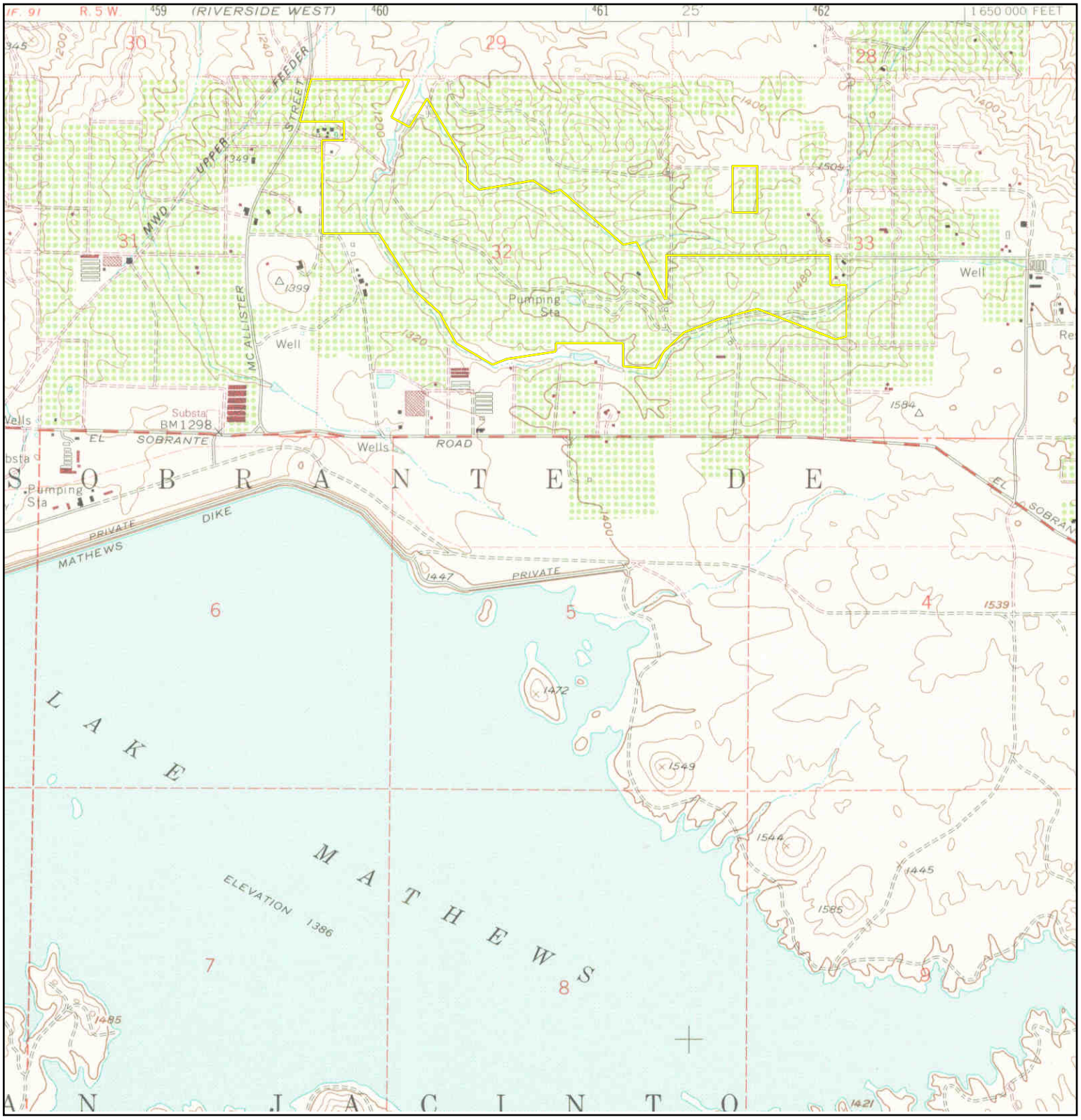
N	TARGET QUAD NAME: LAKE MATHEWS MAP YEAR: 1953 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Victoria Heights ADDRESS: El Sobrante Road Riverside, CA 92503 LAT/LONG: 33.8644 / -117.4238	CLIENT: David McAlister CONTACT: David Mcalister INQUIRY#: 4316390.4 RESEARCH DATE: 06/05/2015

Historical Topographic Map



N	TARGET QUAD NAME: LAKE MATHEWS MAP YEAR: 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 NAME: LAKE MATHEWS MAP YEAR: 1982 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 NAME: LAKE MATHEWS MAP YEAR: 1988 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 NAME: LAKE MATHEWS MAP YEAR: 1997 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

Highland Grove 4

El Sobrante Road

Riverside, CA 92503

Inquiry Number: 7596139.3

March 14, 2024

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

03/14/24

Site Name:

Highland Grove 4
El Sobrante Road
Riverside, CA 92503
EDR Inquiry # 7596139.3

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.

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Certified Sanborn Results:

Certification # 4B43-4D68-BCF0

PO # 24-03008

Project Highland Grove 4

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 #: 4B43-4D68-BCF0

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

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

The Sanborn Library LLC Since 1866™

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Appendix C

EDR Radius Map Report

Highland Grove 4
El Sobrante Road
Riverside, CA 92503

Inquiry Number: 7596139.2s
March 15, 2024

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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Physical Setting SSURGO Soil Map	A-5
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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) 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):	33.8677820 - 33° 52' 4.01''
Longitude (West):	117.4314010 - 117° 25' 53.04''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	460098.4
UTM Y (Meters):	3747385.8
Elevation:	1257 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	50004705 LAKE MATHEWS, CA
Version Date:	2021
North Map:	50005834 RIVERSIDE WEST, CA
Version Date:	2022

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200423
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	VICTORIA GROVE SPECI		CIWQS, CERS	Higher	1 ft.
2	K-RANCH-LAKE MATTHEW	14480 BLACKBURN RD	HIST UST	Higher	427, 0.081, SSW
A3	TOPHAM AND SONS	17160 MCALLISTER ST	HIST UST	Higher	583, 0.110, WNW
A4	PROPOSED CITRUS HERI	BLACKBURN ROAD AND M	ENVIROSTOR, SCH	Higher	605, 0.115, WNW
5	JM TRUCKING INC	17340 MCALLISTER ST	RCRA-VSQG	Higher	940, 0.178, West
6	KAYANO FARMS INC	13100 EL SOBRANTE AV	CPS-SLIC, HIST UST, CERS	Higher	2075, 0.393, SSW
B7	MARCH WATER SYS ANNE		ENVIROSTOR	Higher	4946, 0.937, SSE
B8	MARCH WATER SYSTEM A		FUDS	Higher	4946, 0.937, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

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

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

EXECUTIVE SUMMARY

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

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
ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
HIST Cal-Sites ---------- Historical Calsites Database

CDL ---------- Clandestine Drug Labs
Toxic Pits ---------- Toxic Pits Cleanup Act Sites
CERS HAZ WASTE ---------- California Environmental Reporting System Hazardous Waste
US CDL ---------- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

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

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
MINES MRDS	Mineral Resources Data System
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 TRIS	List of PFAS Added to the TRI
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
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
PFAS	PFAS Contamination Site Location Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CHROME PLATING	Chrome Plating Facilities Listing
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	Inspection, Compliance and Enforcement
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
HWTS	Hazardous Waste Tracking System
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
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)
UST FINDER ---------- UST Finder Database
UST FINDER RELEASE ---------- UST Finder Releases Database

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 Federal RCRA generators

RCRA-VSQG: 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.

A review of the RCRA-VSQG list, as provided by EDR, and dated 12/04/2023 has revealed that there is 1 RCRA-VSQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
JM TRUCKING INC	17340 MCALLISTER ST	W 1/8 - 1/4 (0.178 mi.)	5	13

EXECUTIVE SUMMARY

EPA ID:: CAR000293357

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 10/23/2023 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
PROPOSED CITRUS HERI	***BLACKBURN ROAD AND M***	***WNW 0 - 1/8 (0.115 mi.)***	***A4***	***11***
Status: No Further Action Facility Id: 60000134				
MARCH WATER SYS ANNE		SSE 1/2 - 1 (0.937 mi.)	B7	18
Status: Inactive - Needs Evaluation Facility Id: 80000315				

Lists of state and tribal leaking storage tanks

CPS-SLIC: 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.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
KAYANO FARMS INC	***13100 EL SOBRANTE AV***	***SSW 1/4 - 1/2 (0.393 mi.)***	***6***	***16***
Database: CPS-SLIC, Date of Government Version: 12/04/2023 Facility Status: Open - Site Assessment Global Id: T10000021398				

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the SCH list, as provided by EDR, and dated 10/23/2023 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PROPOSED CITRUS HERI Facility Id: 60000134 Status: No Further Action	***BLACKBURN ROAD AND M***	***WNW 0 - 1/8 (0.115 mi.)***	***A4***	***11***

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 2 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
K-RANCH-LAKE MATTHEW Facility Id: 00000028051	14480 BLACKBURN RD	SSW 0 - 1/8 (0.081 mi.)	2	9
TOPHAM AND SONS Facility Id: 00000015027	17160 MCALLISTER ST	WNW 0 - 1/8 (0.110 mi.)	A3	10

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 09/28/2023 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		SSE 1/2 - 1 (0.937 mi.)	B8	19

CIWQS: 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.

A review of the CIWQS list, as provided by EDR, and dated 11/22/2023 has revealed that there is 1

EXECUTIVE SUMMARY

CIWQS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VICTORIA GROVE SPECI		*0 - 1/8 (0.000 mi.)*	*1*	*9*

CERS: 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

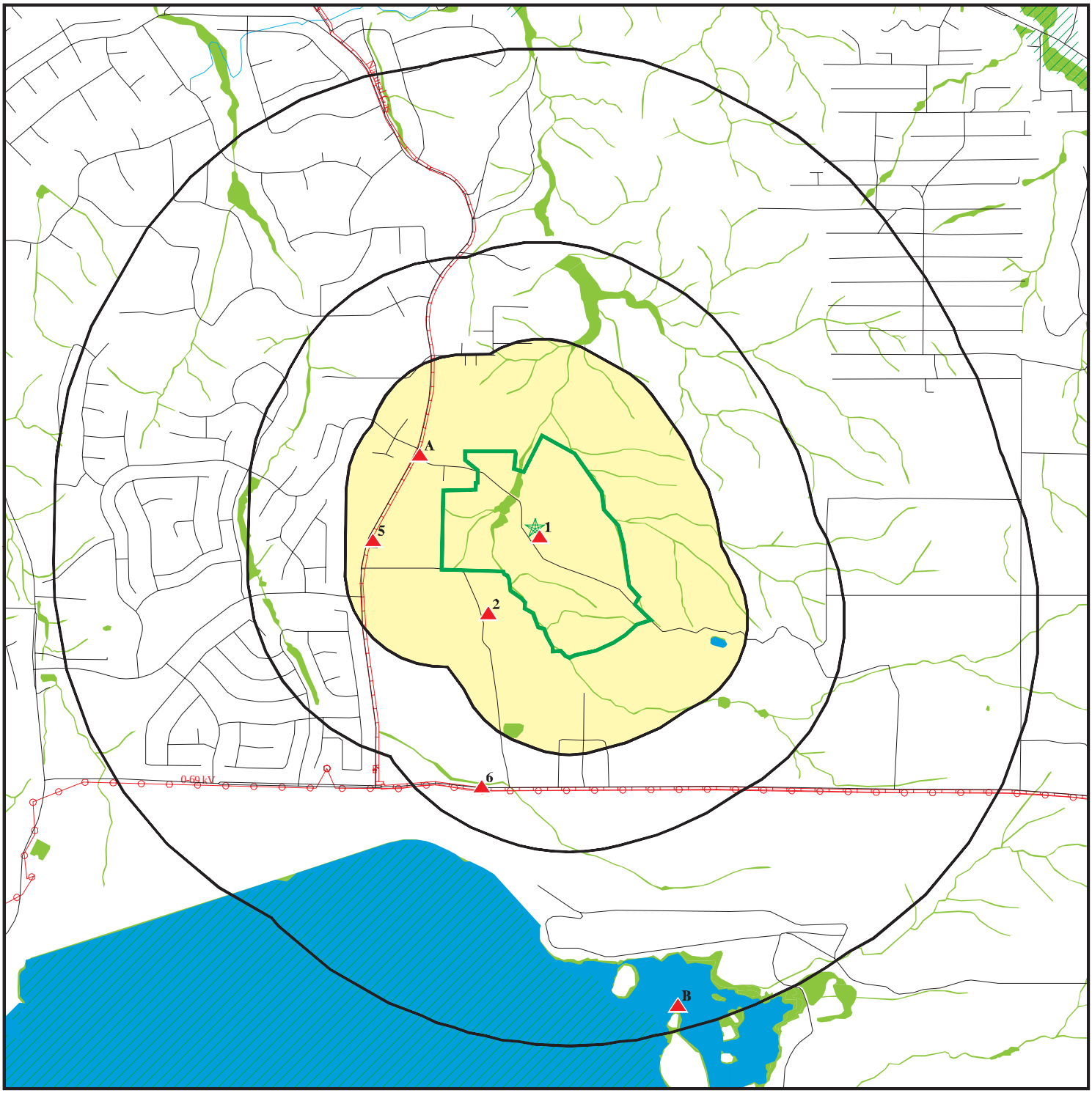
A review of the CERS list, as provided by EDR, and dated 10/16/2023 has revealed that there is 1 CERS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VICTORIA GROVE SPECI		*0 - 1/8 (0.000 mi.)*	*1*	*9*

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7596139.2S



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
Pipelines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

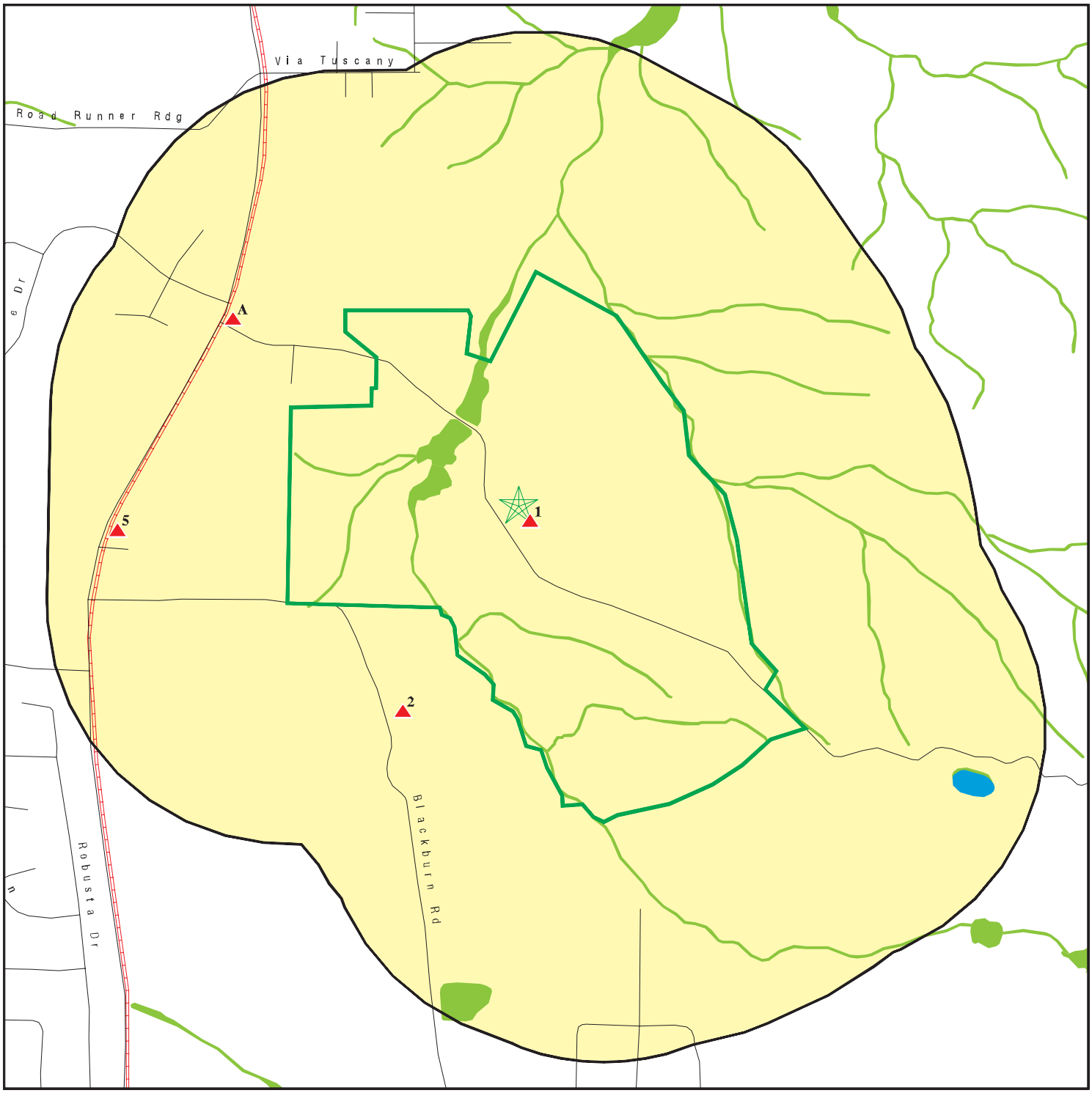
Areas of Concern

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:	Highland Grove 4	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7596139.2s
LAT/LONG:	33.867782 / 117.431401	DATE:	March 15, 2024 0:42 am

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DETAIL MAP - 7596139.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

0 1/8 1/4 1/2 Miles

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:	Highland Grove 4	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7596139.2s
LAT/LONG:	33.867782 / 117.431401	DATE:	March 15, 2024 0:46 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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	1	NR	NR	NR	1
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		1	0	0	1	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	1	NR	NR	1
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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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		1	0	NR	NR	NR	1
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		2	0	NR	NR	NR	2
CERS TANKS	0.250		0	0	NR	NR	NR	0
CA FID UST	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
MINES MRDS	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

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 TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
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
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
CHROME PLATING	0.500		0	0	0	NR	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
HWTS	0.001		0	NR	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		1	NR	NR	NR	NR	1
CERS	0.001		1	NR	NR	NR	NR	1
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
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	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
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	6	1	1	2	0	10

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 **VICTORIA GROVE SPECIFIC PLAN** **CIWQS S123507458**
CERS N/A

< 1/8 **, CA**
1 ft.

Relative:
Higher

Actual:
1268 ft.

CIWQS:

Name:	VICTORIA GROVE SPECIFIC PLAN
Address:	Not reported
City,State,Zip:	CA
Agency:	Victoria Heights, LLC
Agency Address:	660 Newport Center Drive 1050, Newport Beach, CA 92660
Place/Project Type:	Dredge/Fill Site
SIC/NAICS:	Not reported
Region:	8
Program:	CERFILLEXC
Regulatory Measure Status:	Active
Regulatory Measure Type:	401 Certification
Order Number:	Not reported
WDID:	Not reported
NPDES Number:	Not reported
Adoption Date:	Not reported
Effective Date:	Not reported
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
Latitude:	33.867528
Longitude:	-117.431194

CERS:

Name:	VICTORIA GROVE SPECIFIC PLAN
Address:	Not reported
City,State,Zip:	CA
Site ID:	270935
CERS ID:	781300
CERS Description:	Wetlands - Fill and Dredge Material

---

2 **K-RANCH-LAKE MATTHEWS** **HIST UST U001577727**
SSW **14480 BLACKBURN RD** **N/A**
< 1/8 **, CA 92670**
0.081 mi.
427 ft.

Relative:
Higher

Actual:
1287 ft.

HIST UST:

Name:	K-RANCH-LAKE MATTHEWS
Address:	14480 BLACKBURN RD
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

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

Owner Name: DANIEL G. & GILBERT V. KRAEMER
Owner Address: 842 ALTA VISTA
Owner City,St,Zip: PLACENTIA, CA 92670
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:

A3 **TOPHAM AND SONS** **HIST UST** **U001576355**
WNW **17160 MCALLISTER ST** **N/A**
< 1/8 **RIVERSIDE, CA 92503**
0.110 mi.
583 ft. **Site 1 of 2 in cluster A**

Relative: **Higher**
Actual: **1273 ft.**

HIST UST:
Name: TOPHAM AND SONS
Address: 17160 MCALLISTER ST
City,State,Zip: RIVERSIDE, CA 92503
File Number: 0001fa39
URL: https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0001fa39.pdf
Region: STATE
Facility ID: 00000015027
Facility Type: Other
Other Type: FARM
Contact Name: JOE CRHA
Telephone: 7146882100
Owner Name: TOPHAM & SONS
Owner Address: 3230 MADISON ST.
Owner City,St,Zip: RIVERSIDE, CA 92504
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00004000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: Stock Inventor

TOPHAM AND SONS (Continued) **U001576355**

Click here for Geo Tracker PDF:

A4 **PROPOSED CITRUS HERITAGE MS** **ENVIROSTOR** **S107737072**
WNW **BLACKBURN ROAD AND MCALLISTER STREET** **SCH** **N/A**
< 1/8 **UNICORPORATED RIVERSIDE, CA 92503**
0.115 mi.
605 ft. **Site 2 of 2 in cluster A**

Relative:
Higher

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:	63
Senate:	32
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
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:	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:	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

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

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

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

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
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: 63
Senate: 32
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

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

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: 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: 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: 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

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

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

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5 West 1/8-1/4 0.178 mi. 940 ft.

JM TRUCKING INC
17340 MCALLISTER ST
RIVERSIDE, CA 92503

RCRA-VSQG **1024877616**
CAR000293357

Relative: Higher

Actual: 1300 ft.

RCRA Listings:
Date Form Received by Agency: 20190320
Handler Name: Jm Trucking Inc
Handler Address: MCALLISTER ST

JM TRUCKING INC (Continued) **1024877616**

Handler City,State,Zip:	RIVERSIDE, CA 92503
EPA ID:	CAR000293357
Contact Name:	JOSE G LOPEZ
Contact Address:	PO BOX 1737
Contact City,State,Zip:	CORONA, CA 92878
Contact Telephone:	909-376-4195
Contact Fax:	Not reported
Contact Email:	JLATJM@HOTMAIL.COM
Contact Title:	OWNER
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	PO BOX 1737
Mailing City,State,Zip:	CORONA, CA 92878
Owner Name:	Jose G Lopez
Owner Type:	Private
Operator Name:	Jose G Lopez
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
202 GPRA Corrective Action Baseline:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20190320

JM TRUCKING INC (Continued) **1024877616**

Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	Ignitable Waste

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: JOSE G LOPEZ	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17340 MCALLISTER ST
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92503
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: JOSE G LOPEZ	
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	17340 MCALLISTER ST
Owner/Operator City,State,Zip:	RIVERSIDE, CA 92503
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20190320
Handler Name: JM TRUCKING INC	
Federal Waste Generator Description:	Conditionally Exempt Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	No
Electronic Manifest Broker:	No

List of NAICS Codes and Descriptions:

NAICS Code:	48411
NAICS Description:	GENERAL FREIGHT TRUCKING, LOCAL

JM TRUCKING INC (Continued) **1024877616**

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

6
SSW
1/4-1/2
0.393 mi.
2075 ft.

KAYANO FARMS INC
13100 EL SOBRANTE AVE
RIVERSIDE, CA 92644

CPS-SLIC **S118411942**
HIST UST **N/A**
CERS

Relative:
Higher

Actual:
1318 ft.

CPS-SLIC:

Name:	PULTE HIGHLAND RANCH - HIGHLAND GROVE (FORMER KAYANO FARMS & FORMER H&R FARMS)
Address:	13100 EL SOBRANTE AVENUE
City,State,Zip:	RIVERSIDE, CA 92644
Region:	STATE
Facility Status:	**Open - Site Assessment**
Status Date:	10/04/2023
Global Id:	T10000021398
Lead Agency:	SANTA ANA RWQCB (REGION 8)
Lead Agency Case Number:	Not reported
Latitude:	33.8634018224615
Longitude:	-117.43414040741
Case Type:	Cleanup Program Site
Case Worker:	KJW
Local Agency:	Not reported
RB Case Number:	T10000021398
File Location:	All Files are only on GeoTracker
Potential Media Affected:	Under Investigation
Potential Contaminants of Concern:	Polychlorinated biphenyls (PCBs), DDD / DDE / DDT, Gasoline, Waste Oil / Motor / Hydraulic / Lubricating
EPA Region:	9
Coordinate Source:	Google Map Move
Cuf Case:	NO
Quantity Released Gallons:	Not reported
Begin Date:	06/01/2023
Leak Reported Date:	07/19/2023
How Discovered:	Visual
How Discovered Description:	Discovered during trenching operations.
Discharge Source:	Tank
Discharge Cause:	Unknown
Stop Method:	Not reported
Stop Description:	Not reported
No Further Action Date:	Not reported
CA Water Watershed Name:	Santa Ana River - Middle Santa Ana River - Arlington (801.26)
Dwr Groundwater Subbasin Name:	Not reported
Disadvantaged Community:	Not reported
CA Enviroscreen 3 Score:	41-45%
CA Enviroscreen 4 Score:	15-20%
Military DOD Site:	No
Facility Project Subtype:	Not reported
RWQCB Region:	SANTA ANA RWQCB (REGION 8)
Site History:	Site is in the process of being developed for residential housing. Previously the site was used as an orchard/ row crop agricultural

KAYANO FARMS INC (Continued) **S118411942**

operation between the 1930's up to 2012.

Click here to access the California GeoTracker records for this facility:

HIST UST:

Name:	KAYANO FARMS INC
Address:	13100 EL SOBRANTE AVE
City,State,Zip:	RIVERSIDE, CA 92644
File Number:	0001f784
URL:	https://documents.geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f784.pdf
Region:	Not reported
Facility ID:	Not reported
Facility Type:	Not reported
Other Type:	Not reported
Contact Name:	Not reported
Telephone:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Total Tanks:	Not reported
Tank Num:	Not reported
Container Num:	Not reported
Year Installed:	Not reported
Tank Capacity:	Not reported
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Not reported

Click here for Geo Tracker PDF:

CERS:

Name:	PULTE HIGHLAND RANCH - HIGHLAND GROVE (FORMER KAYANO FARMS & FORMER H&R FARMS)
Address:	13100 EL SOBRANTE AVENUE
City,State,Zip:	RIVERSIDE, CA 92644
Site ID:	705565
CERS ID:	T10000021398
CERS Description:	Cleanup Program Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	KYLE WRIGHT - SANTA ANA RWQCB (REGION 8)
Entity Title:	Not reported
Affiliation Address:	3737 Main Street, Ste. 500
Affiliation City:	RIVERSIDE
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	9513206370,

B7 **MARCH WATER SYS ANNEX** **ENVIROSTOR** **S107736678**
SSE **N/A**
1/2-1 **RIVERSIDE, CA**
0.937 mi.
4946 ft. **Site 1 of 2 in cluster B**

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:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	63
Senate:	32
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
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

B8 **MARCH WATER SYSTEM ANNEX** **FUDS** **1024903588**
SSE **N/A**
1/2-1 **RIVERSIDE, CA**
0.937 mi.
4946 ft. **Site 2 of 2 in cluster B**

Relative:
Higher

Actual:
1393 ft.

FUDS:

EPA Region:	09
Installation ID:	CA99799F551600
Congressional District Number:	41
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: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
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 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
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: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
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: 12/20/2023
Date Data Arrived at EDR: 12/20/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/20/2023
Next Scheduled EDR Contact: 04/08/2024
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: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/22/2024
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: 01/29/2024
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 21

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 08/03/2023
Date Data Arrived at EDR: 08/07/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 64

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/26/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
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: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

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

Date of Government Version: 10/23/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
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: 10/23/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
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: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 90

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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

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 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 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

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

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

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

LUST REG 3: Leaking Underground Storage Tank Database

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

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

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

LUST REG 2: Fuel Leak List

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

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

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

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

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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/25/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/04/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 11/16/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 89
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

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

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

Date of Government Version: 11/28/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 89

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

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

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/17/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
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: 10/24/2023
Date Data Arrived at EDR: 01/17/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 56

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 10/23/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
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: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Varies

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

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: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 08/15/2023
Date Data Arrived at EDR: 08/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/12/2024
Next Scheduled EDR Contact: 06/24/2024
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: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 02/20/2024
Next Scheduled EDR Contact: 05/20/2024
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: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
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: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 01/17/2024
Next Scheduled EDR Contact: 05/06/2024
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: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
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: 10/23/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 79

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/23/2024
Next Scheduled EDR Contact: 05/06/2024
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: 12/31/2021
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 81

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

CERS HAZ WASTE: California Environmental Reporting System Hazardous 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: 10/16/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

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

US CDL: Clandestine Drug Labs

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

Date of Government Version: 11/17/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
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: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 10/16/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

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

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

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

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 11/21/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
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: 11/14/2023
Date Data Arrived at EDR: 12/22/2023
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
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: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 85

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
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: 12/12/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 06/01/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/18/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Semi-Annually

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

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 84

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

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

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 12/04/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
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: 09/28/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
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: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
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: 12/11/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
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: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
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: 12/31/2022
Date Data Arrived at EDR: 11/13/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 86

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/19/2023
Date Data Arrived at EDR: 10/20/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 88

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/17/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 12/26/2023
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/10/2024
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: 09/01/2023
Date Data Arrived at EDR: 09/27/2023
Date Made Active in Reports: 12/21/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/12/2024
Next Scheduled EDR Contact: 04/19/2024
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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 05/13/2024
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: 03/20/2023
Date Data Arrived at EDR: 04/04/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 66

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
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: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
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: 01/02/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 57

Source: Nuclear Regulatory Commission
Telephone: 301-415-0717
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
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: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
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: 02/02/2024
Next Scheduled EDR Contact: 05/13/2024
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: 12/19/2023
Next Scheduled EDR Contact: 04/08/2024
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: 01/05/2024
Next Scheduled EDR Contact: 05/06/2024
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: 12/31/2023
Date Data Arrived at EDR: 01/11/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
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: 12/06/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/02/2024
Next Scheduled EDR Contact: 04/15/2024
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: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/15/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/26/2024
Date Data Arrived at EDR: 01/02/2024
Date Made Active in Reports: 01/24/2024
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 04/08/2024
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

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: 11/01/2023
Date Data Arrived at EDR: 11/17/2023
Date Made Active in Reports: 02/13/2024
Number of Days to Update: 88

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/21/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 01/02/2024
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Quarterly

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: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
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: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
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: 02/22/2024
Next Scheduled EDR Contact: 06/03/2024
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: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 12

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/03/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/20/2023
Number of Days to Update: 12

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021
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: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/17/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
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: 11/10/2023
Date Data Arrived at EDR: 11/10/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 89

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/13/2024
Next Scheduled EDR Contact: 05/27/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/28/2023
Date Data Arrived at EDR: 12/28/2023
Date Made Active in Reports: 03/04/2024
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 12/28/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/16/2016
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/10/2017
Number of Days to Update: 63

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data
The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 01/03/2024
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/29/2024
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: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 88

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/06/2024
Next Scheduled EDR Contact: 06/17/2024
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: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

Date of Government Version: 11/30/2023
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

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: 12/13/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 03/31/2023
Date Data Arrived at EDR: 05/08/2023
Date Made Active in Reports: 07/31/2023
Number of Days to Update: 84

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
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: 05/24/2023
Date Data Arrived at EDR: 05/30/2023
Date Made Active in Reports: 08/21/2023
Number of Days to Update: 83

Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

Date of Government Version: 01/12/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79

Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/27/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 77
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/25/2023
Date Data Arrived at EDR: 04/26/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 79
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/25/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/14/2023
Number of Days to Update: 78
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 05/15/2023
Date Data Arrived at EDR: 05/17/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 89
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/16/2019
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: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 08/15/2023
Date Data Arrived at EDR: 08/17/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 75
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

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

Date of Government Version: 11/14/2023
Date Data Arrived at EDR: 11/16/2023
Date Made Active in Reports: 02/12/2024
Number of Days to Update: 88
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Varies

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: 01/04/2024
Date Data Arrived at EDR: 01/16/2024
Date Made Active in Reports: 02/08/2024
Number of Days to Update: 23
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 11/21/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77
Source: Amador Air Quality Management District
Telephone: 209-257-0112
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 08/31/2023
Date Data Arrived at EDR: 09/08/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 80

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Annually

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: 05/02/2023
Date Data Arrived at EDR: 05/03/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 83

Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 08/08/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 78

Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 08/08/2023
Next Scheduled EDR Contact: 09/11/2023
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: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 10/13/2023
Number of Days to Update: 78

Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 04/25/2023
Date Data Arrived at EDR: 10/18/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 90

Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 06/05/2023
Number of Days to Update: 88

Source: Feather River Air Quality Management District
Telephone: 530-634-7659
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 09/11/2023
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: 12/31/2021
Date Data Arrived at EDR: 06/09/2023
Date Made Active in Reports: 08/30/2023
Number of Days to Update: 82

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/14/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/16/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 09/13/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 09/21/2023
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/20/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

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

Date of Government Version: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/07/2024
Next Scheduled EDR Contact: 05/27/2024
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: 02/07/2024
Date Data Arrived at EDR: 02/07/2024
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 0

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/07/2024
Next Scheduled EDR Contact: 05/27/2024
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: 10/02/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 84

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Quarterly

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: 10/26/2023
Date Data Arrived at EDR: 10/27/2023
Date Made Active in Reports: 01/29/2024
Number of Days to Update: 94

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

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

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/03/2024
Next Scheduled EDR Contact: 04/15/2024
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: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 02/05/2024
Number of Days to Update: 90

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
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: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/23/2024
Number of Days to Update: 86

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 12/06/2023
Date Data Arrived at EDR: 12/06/2023
Date Made Active in Reports: 02/29/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

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

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities.The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

UIC: UIC Listing

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

Date of Government Version: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/27/2024
Number of Days to Update: 90

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/15/2024
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: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
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: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 11/29/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 11/22/2023
Date Data Arrived at EDR: 11/22/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 86
Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 10/16/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 12/04/2023
Date Data Arrived at EDR: 12/05/2023
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 85

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/31/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 79

Source: Environmental Protecton Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 01/18/2024
Number of Days to Update: 106

Source: Environmental Protection Agency
Telephone: 202-564-0394
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/20/2024
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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/27/2023
Date Data Arrived at EDR: 09/28/2023
Date Made Active in Reports: 12/18/2023
Number of Days to Update: 81

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 77

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 05/13/2024
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: 12/26/2023
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/18/2023
Date Data Arrived at EDR: 12/18/2023
Date Made Active in Reports: 03/13/2024
Number of Days to Update: 86

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
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: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 84

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 10/24/2023
Date Data Arrived at EDR: 10/25/2023
Date Made Active in Reports: 01/16/2024
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/05/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
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: 12/26/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 10/11/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 85

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 20

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/09/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/01/2023
Date Data Arrived at EDR: 10/06/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/09/2023
Date Data Arrived at EDR: 10/09/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 79

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/04/2024
Next Scheduled EDR Contact: 04/22/2024
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: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 04/13/2023
Date Data Arrived at EDR: 07/13/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 76

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/22/2024
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: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 12/14/2023
Number of Days to Update: 1

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/01/2023
Date Data Arrived at EDR: 12/13/2023
Date Made Active in Reports: 03/07/2024
Number of Days to Update: 85
Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/13/2023
Next Scheduled EDR Contact: 04/01/2024
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: 07/11/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/09/2024
Number of Days to Update: 84
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/19/2024
Next Scheduled EDR Contact: 04/29/2024
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: 01/04/2024
Next Scheduled EDR Contact: 04/22/2024
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: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
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: 12/18/2023
Next Scheduled EDR Contact: 04/08/2024
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: 02/20/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 11/15/2023
Date Data Arrived at EDR: 11/20/2023
Date Made Active in Reports: 02/15/2024
Number of Days to Update: 87

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
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: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
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: 01/22/2024
Next Scheduled EDR Contact: 04/08/2024
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: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
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: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/31/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 81

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 03/13/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/09/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 12

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 09/29/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 84

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 84

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
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: 12/18/2023
Next Scheduled EDR Contact: 04/08/2024
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: 12/18/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 01/17/2024
Date Data Arrived at EDR: 01/18/2024
Date Made Active in Reports: 01/26/2024
Number of Days to Update: 8

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 90

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/12/2024
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: 11/27/2023
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/16/2024
Number of Days to Update: 81

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 02/27/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing
A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
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: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
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: 10/30/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 83
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
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: 10/15/2023
Date Data Arrived at EDR: 10/17/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 86
Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 01/18/2024
Next Scheduled EDR Contact: 04/29/2024
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: 03/08/2024
Next Scheduled EDR Contact: 06/24/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 02/07/2024
Number of Days to Update: 90

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
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: 03/07/2024
Next Scheduled EDR Contact: 06/17/2024
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: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 11/07/2023
Date Data Arrived at EDR: 11/08/2023
Date Made Active in Reports: 11/16/2023
Number of Days to Update: 8

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
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: 02/16/2024
Next Scheduled EDR Contact: 06/03/2024
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2024
Next Scheduled EDR Contact: 05/27/2024
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: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
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: 02/23/2024
Next Scheduled EDR Contact: 06/10/2024
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: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
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: 12/12/2023
Next Scheduled EDR Contact: 04/01/2024
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: 01/04/2024
Next Scheduled EDR Contact: 04/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 02/26/2024
Next Scheduled EDR Contact: 06/10/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 12/05/2023
Date Data Arrived at EDR: 02/01/2024
Date Made Active in Reports: 02/28/2024
Number of Days to Update: 27

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/10/2023
Date Data Arrived at EDR: 10/11/2023
Date Made Active in Reports: 01/04/2024
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
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: 01/29/2024
Next Scheduled EDR Contact: 05/13/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/11/2024
Next Scheduled EDR Contact: 04/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2023
Date Data Arrived at EDR: 10/20/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
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: 12/18/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2024
Next Scheduled EDR Contact: 05/20/2024
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2023
Date Data Arrived at EDR: 10/24/2023
Date Made Active in Reports: 01/11/2024
Number of Days to Update: 79

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/16/2024
Next Scheduled EDR Contact: 04/29/2024
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: 11/28/2023
Date Data Arrived at EDR: 11/29/2023
Date Made Active in Reports: 02/26/2024
Number of Days to Update: 89
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/05/2024
Next Scheduled EDR Contact: 06/17/2024
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: 09/21/2023
Date Data Arrived at EDR: 10/04/2023
Date Made Active in Reports: 12/27/2023
Number of Days to Update: 84
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/18/2023
Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/30/2023
Date Data Arrived at EDR: 11/03/2023
Date Made Active in Reports: 01/23/2024
Number of Days to Update: 81
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/22/2024
Next Scheduled EDR Contact: 05/06/2024
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: 11/06/2023
Date Data Arrived at EDR: 11/07/2023
Date Made Active in Reports: 01/31/2024
Number of Days to Update: 85
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/06/2024
Next Scheduled EDR Contact: 05/20/2024
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: 12/27/2023
Next Scheduled EDR Contact: 04/15/2024
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: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/26/2024
Next Scheduled EDR Contact: 05/06/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/05/2024
Next Scheduled EDR Contact: 04/22/2024
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: 02/12/2024
Next Scheduled EDR Contact: 05/27/2024
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: 03/01/2024
Next Scheduled EDR Contact: 06/17/2024
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.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HIGHLAND GROVE 4
EL SOBRANTE ROAD
RIVERSIDE, CA 92503

TARGET PROPERTY COORDINATES

Latitude (North):	33.867782 - 33° 52' 4.02''
Longitude (West):	117.431401 - 117° 25' 53.04''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	460098.4
UTM Y (Meters):	3747385.8
Elevation:	1257 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50004705 LAKE MATHEWS, CA
Version Date:	2021
North Map:	50005834 RIVERSIDE WEST, CA
Version Date:	2022

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).

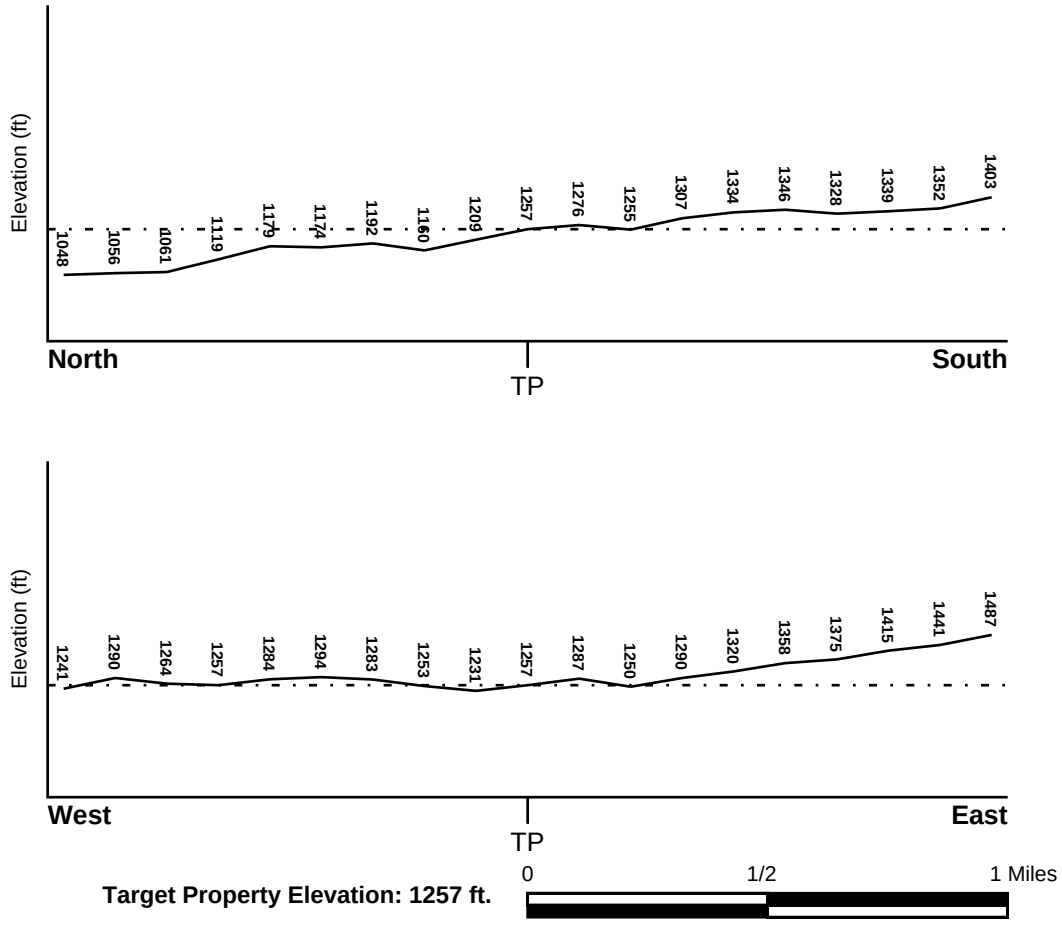
TOPOGRAPHIC INFORMATION

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 North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06065C1385G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06065C0715G	FEMA FIRM Flood data
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		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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

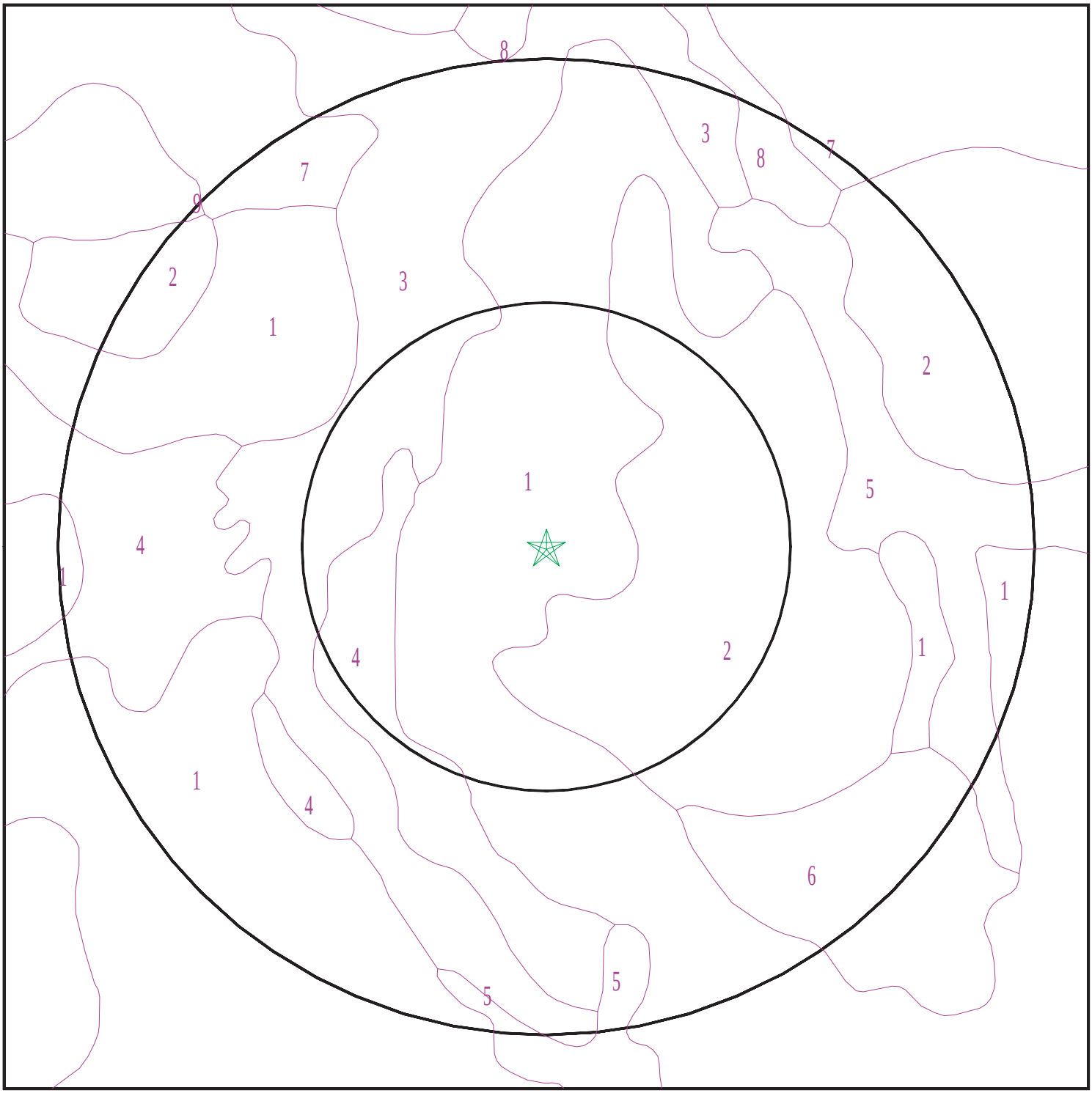
Era:	Mesozoic
System:	Cretaceous
Series:	Cretaceous granitic rocks
Code:	Kg *(decoded above as Era, System & Series)*

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 - 7596139.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Highland Grove 4	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7596139.2s
LAT/LONG:	33.867782 / 117.431401	DATE:	March 15, 2024 0:48 am

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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: 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	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:

Soil Map ID: 3

Soil Component Name: Terrace escarpments

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:

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: BUREN

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: Moderately 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	11 inches	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	29 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:
3	29 inches	40 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 0.01 Min: 0	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	40 inches	51 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: 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:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
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: 6

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

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:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
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: 7

Soil Component Name: VISTA

Soil Surface Texture: coarse 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	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:
2	14 inches	24 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	24 inches	27 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 0.42 Min: 0	Max: Min:

Soil Map ID: 8

Soil Component Name: ARLINGTON

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: 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	11 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
2	11 inches	50 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	50 inches	59 inches	cemented	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6
4	59 inches	70 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.3 Min: 6.6

Soil Map ID: 9

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:

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		
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:

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		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

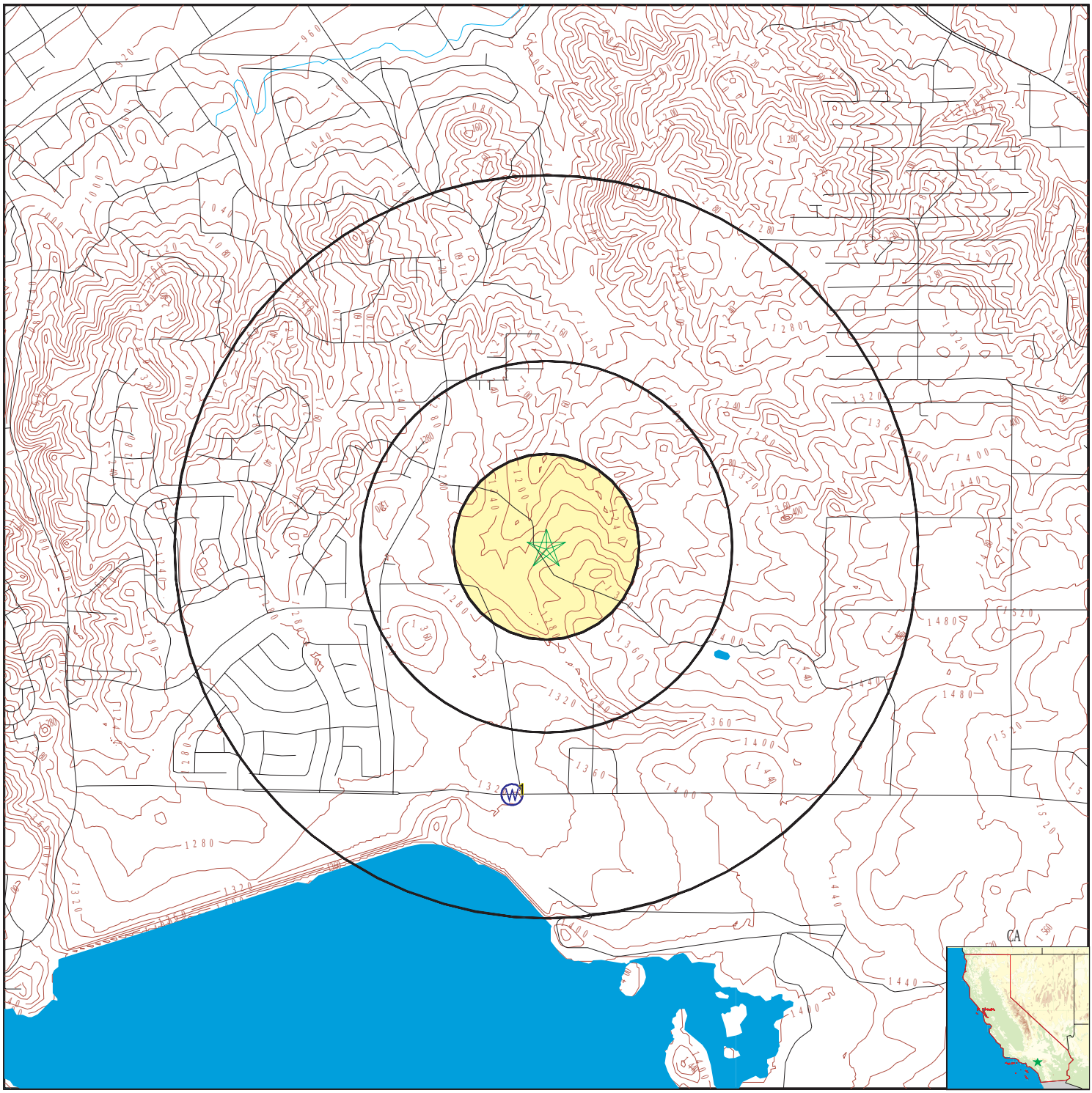
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CADWR0000035609	1/2 - 1 Mile South

PHYSICAL SETTING SOURCE MAP - 7596139.2s



- 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:	Highland Grove 4	CLIENT:	McAlister GeoScience
ADDRESS:	El Sobrante Road Riverside CA 92503	CONTACT:	Jorge Ramos
		INQUIRY #:	7596139.2s
LAT/LONG:	33.867782 / 117.431401	DATE:	March 15, 2024 0:47 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **South** **1/2 - 1 Mile** **Higher**		**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.

Geothermal Wells Listing
Department of Conservation
Telephone: 916-445-9686
Geothermal well means a well constructed to extract or return water to the ground after it has been used for heating or cooling purposes. Geothermal wells in California (except for wells on federal leases which are administered by the Bureau of Land Management) are permitted, drilled, operated, and permanently sealed and closed (plugged and abandoned) under requirements and procedures administered by the Geothermal Section of the Department of Conservations Geologic Energy Management Division (CalGEM, formerly DOGGR).

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix D

Other Useful Information

Victoria Heights
El Sobrante Road
Riverside, CA 92503

Inquiry Number: 4316390.5
June 09, 2015

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction orforecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1921 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 1320 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	-	-	-
2008	Cole Information Services	-	-	-	-
2003	Cole Information Services	-	-	-	-
2002	SBC PACIFIC BELL	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-
1996	Pacific Bell	-	-	-	-
1993	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	-	-	-
1986	Pacific Bell Yellow Pages	-	-	-	-
1981	Pacific Telephone	-	-	-	-
1977	Pacific Telephone	-	-	-	-
1970	Pacific Telephone	-	-	-	-
1967	Luskey Brothers & Co.	-	-	-	-
1966	Luskey Brothers & Company Inc.	-	-	-	-
1961	Luskey Brothers & Co.	-	-	-	-
1960	Luskeys Brothers & Co., Publishers	-	-	-	-
1956	Luskey Brothers & Co.	-	-	-	-
1955	Luskeys Brothers Co., Publishers	-	-	-	-
1951	Los Angeles Directory Co.	-	-	-	-
1946	Southern California Telephone Company	-	-	-	-
1945	Los Angeles Directory Co.	-	-	-	-
1941	Pacific Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1936	Los Angeles Directory Co.	-	-	-	-
1931	Southern California Telephone Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1930	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Kaasen Directory Co.	-	-	-	-
1921	Riverside Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

El Sobrante Road
Riverside, CA 92503

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
El Sobrante Road	2013, 2008, 2003, 2002, 2001, 1996, 1993, 1990, 1986, 1981, 1977, 1970, 1967, 1966, 1961, 1960, 1956, 1955, 1951, 1946, 1945, 1941, 1939, 1936, 1931, 1930, 1927, 1925, 1924, 1921

VICTORIA GROVE EAST

Conceptual Land Use with Parcel Overlay

T&B PLANNING CONSULTANTS
17542 East 17th Street, Suite 108, Tustin, CA 92780
p 714.505.6360 f 714.505.6361
www.tbplanning.com

Map Document: (I:\555-005\MD-004 Victoria Grove East\GIS\Conceptual Land Use with Parcel Info Overlay.mxd) 8/3/2009 - 1:00:24 PM

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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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

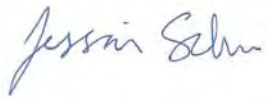
During the removal of household trash from the Subject Property a limited volume of soil should be removed from the area of dumped five-gallon buckets in the ravine at the northwest portion of the Subject Property. Following this limited excavation; confirmation samples should be collected to verify 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

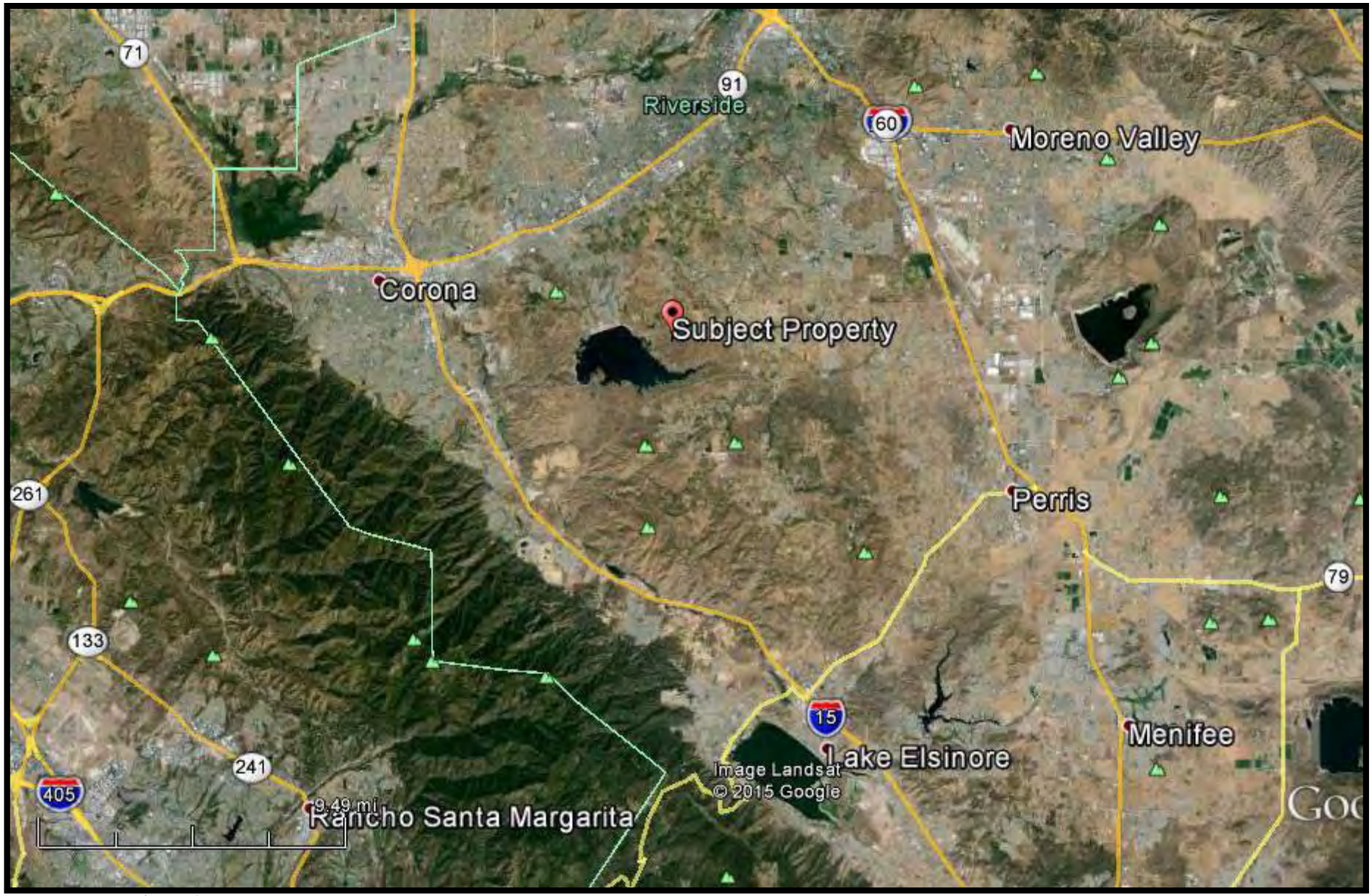
Screening Level - California Human Health Screening Levels (CHSSLs) for organochlorine pesticides and metals. Soil concentrations for residential land use listed.

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**

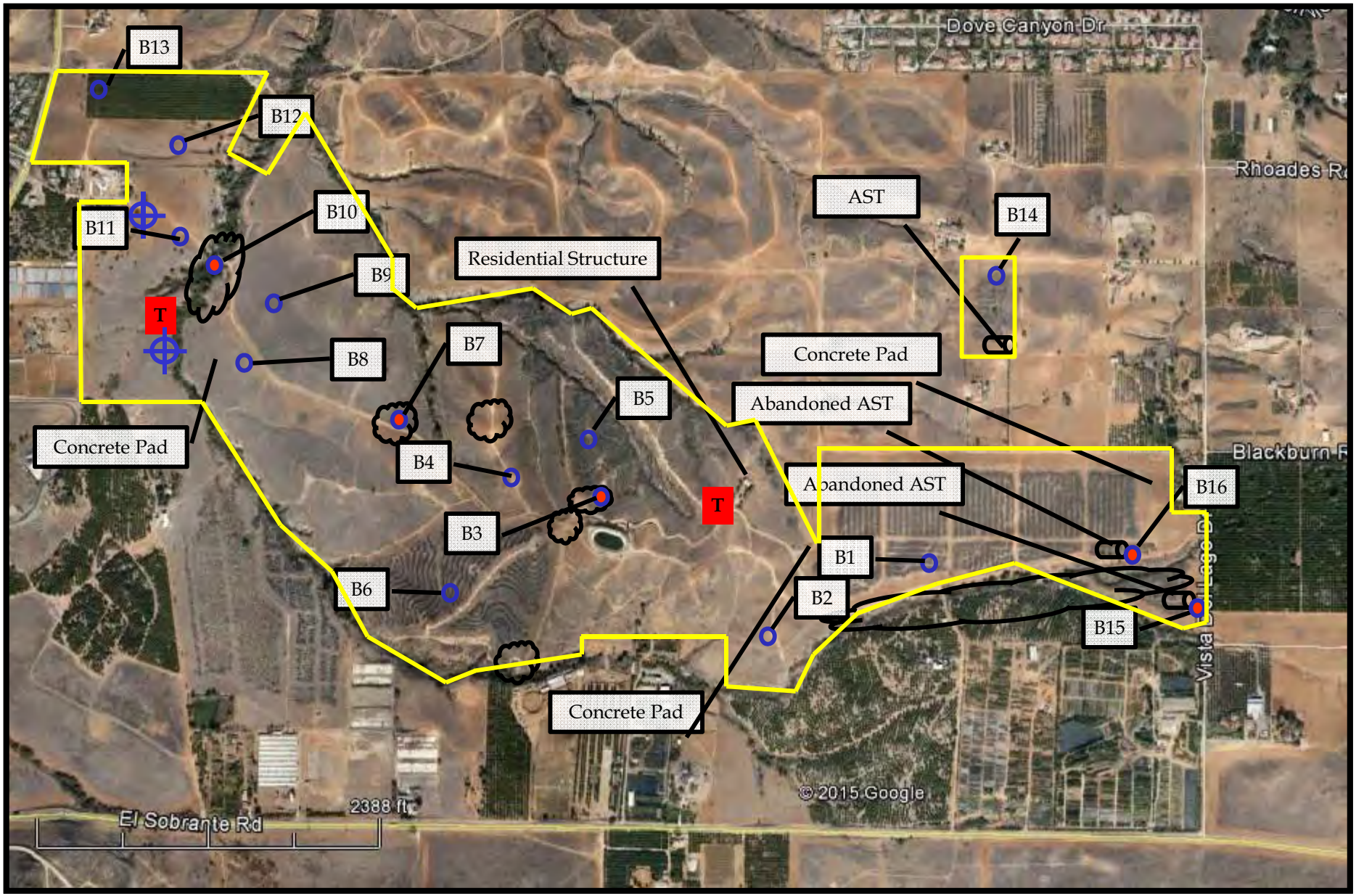
LOCATION: **Victoria Heights**

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	

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 **Owner:** RJ El Sobrante, LLC
270-160-006 + 270-070-001

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 - Southern California Edison

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 Lastor 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

Address: Riverside County - North of El Sobrante 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							
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: 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							
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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								
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22								
24								
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28								
30								

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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.				
				Grey rock flour				
4				B5@5 (10:10)				
				Boring backfilled with hydrated medium bentonite chips.				
6								
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22								
24								
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28								
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Boring / MW #: B5

Page: 1/1

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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.				
4				Granitic Parent Material				
				B6@5 (10:37)				
6				Boring backfilled with hydrated medium bentonite chips.				
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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.				
4				Granitic Parent Material, Grey rock flour				
				B7@5 (10:57)				
6				Boring backfilled with hydrated medium bentonite chips.				
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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.			
4					Same as above			
					B8@5 (11:17			
6					Boring backfilled with hydrated medium bentonite chips.			
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Boring / MW #: B8

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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.				
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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								
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20								
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24								
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28								
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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.				
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28									
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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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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								
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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.				
4				Granitic Parent Material				
				Same as above B15@5 (2:32)				
6				Boring backfilled with hydrated medium bentonite chips.				
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.				
4				Granitic Parent Material				
				Same as above B16@5 (3:02)				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
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Boring / MW #: B16

APPENDIX F

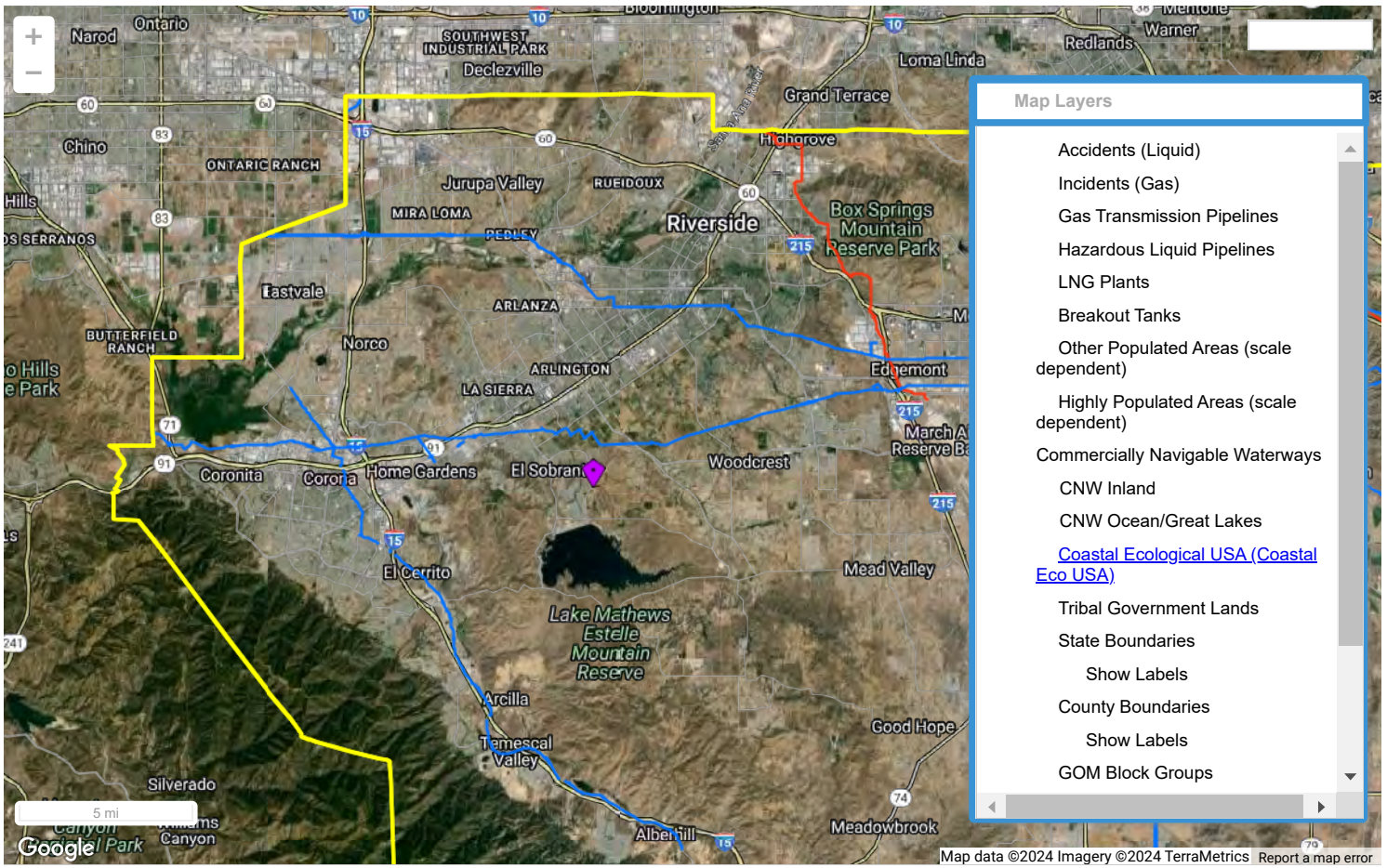
LABORATORY RESULTS AND CHAIN OF CUSTODY RECORD



Sites Shown on Map: 0 Total Sites 0 Open Sites 0 Closed Sites 0 Sites w/Water Quality Data

Change County Close Public Viewer

Layers | Query Tools | 17160 McAllister St, Riverside, C | Help



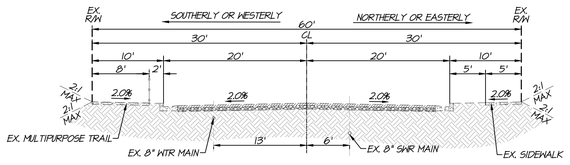
Ready | Zoom Level: 11 of 19 (1:216,671) | (lat,long): 34.055746, -117.277200 | Map S

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IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

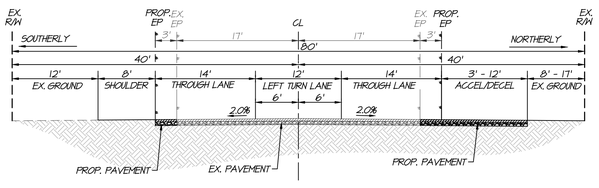
PRE APPLICATION REVIEW
TENTATIVE TRACT MAP

SCHEDULE "A"



EX. TYPICAL TRAVERTINE DR. SECTION

SCALE: 1" = 10'

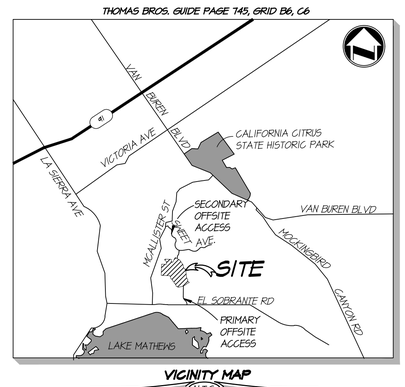


PROP. EL SOBRANTE RD. SECTION (PUBLIC)
PER TTM 38605

SCALE: 1" = 10'



0 100 300
50 200 400
SCALE: 1" = 100'



THOMAS BROS. GUIDE PAGE 745, GRID B6, C6

VICINITY MAP

N.T.S.

SEC.32 NE T.3S. R.5W

OWNER / APPLICANT

MDC GARDEY LLC
30435 SAN TIMOTEO CANYON RD,
REDLANDS, CA 92373

R.J EL SOBRANTE
PO BOX 9,
SAN JUAN CAPISTRANO, CA 92693

REPRESENTATIVE/ENGINEER

adkan ENGINEERS
6879 AIRPORT DRIVE
RIVERSIDE, CA. 92504
951-688-0241

ASSESSORS PARCEL NUMBERS

270-070-001, 270-160-004, 270-060-009
270-060-005, 270-070-002, 270-060-016

PROJECT DENSITY TABLE

PROJECT AREA:	4,843529.0	11234 AC.

UTILITY PURVEYORS

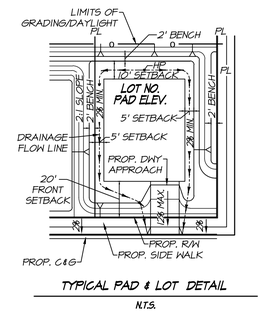
WATER:	W.M.W.D.
SEWER:	CITY OF RIVERSIDE
GAS:	SOUTHERN CALIFORNIA GAS COMPANY
ELECTRICITY:	SOUTHERN CALIFORNIA EDISON
TELEPHONE:	SBC
SCHOOL:	RIVERSIDE UNIFIED
CATV:	CHARTER CABLE

ZONING/LAND USE

EXISTING ZONING:	A-1-10
PROPOSED ZONING:	R-1-10,000
EXISTING LANDUSE:	RC-LDR, UNDEVELOPED - VACANT
PROPOSED LANDUSE:	RC-LDR

NOTES

PADS ARE MINIMUM 8,000 S.F. USABLE
LOTS ARE MINIMUM 10,000 S.F. NET



TYPICAL PAD & LOT DETAIL

N.T.S.

LOTS MATRIX TABLE

LOTS #	SIZE (S.F.)
1	10,127
2	10,466
3	10,221
4	11,082
5	12,683
6	14,493
7	15,168
8	13,246
9	14,579
10	18,602
11	15,814
12	11,581
13	17,144
14	14,356
15	12,469
16	14,059
17	14,288
18	13,422
19	13,000
20	11,016
21	10,642
22	11,611
23	12,469
24	14,688
25	12,518
26	10,588
27	11,465
28	11,955
29	11,817
30	12,175
31	14,705
32	20,355
33	17,887
34	12,888
35	12,766
36	15,533
37	16,731
38	13,500
39	12,482
40	19,911
41	11,944
42	12,791
43	12,092
44	11,789
45	12,077
46	15,096
47	14,939
48	13,305
49	13,200
50	13,200
51	12,640
52	14,361
53	18,510
54	11,680
55	13,626
56	10,811
57	10,684
58	10,388
59	11,076
60	11,793
61	15,283
62	12,077
63	14,998
64	14,580
65	23,139
66	13,847
67	11,831
68	14,259
69	14,932
70	12,653
71	13,849
72	14,513
73	20,690
74	16,165
75	13,324
76	16,887
77	15,984
78	24,671
79	14,151
80	14,970
81	15,655
82	25,666
83	17,326
84	11,841
85	10,627
86	10,417
87	11,619
88	11,190
89	10,804
90	10,766
91	11,478
92	12,171
93	21,370
94	21,979
95	15,559
96	14,556
97	13,909
98	16,785
99	18,168
100	10,806
101	12,918
102	11,735
103	10,972
104	10,248
105	10,084
106	10,074
107	10,004
108	10,023
109	10,024
110	10,030
111	10,153
112	11,053
113	11,533
114	13,840
115	11,567
116	10,903
117	10,253
118	10,945
119	17,268
120	25,733
121	13,284
122	14,202
123	11,547
124	12,361
125	14,103
126	14,992
127	11,915
128	10,949
129	21,493
130	13,927
131	11,444
132	10,888
133	14,099
134	10,082
135	11,550
136	13,445
137	16,560
138	10,964
139	10,917
140	10,871
141	10,825
142	10,778
143	10,571
144	12,912
145	13,081
146	12,623
147	15,044
148	12,270
149	12,466
150	10,200
151	10,586
152	11,007
153	14,009
154	16,631
155	12,433
156	12,632
157	12,647
158	12,424
159	15,474
160	17,102
161	16,011
162	13,816
163	20,479
164	15,760
165	11,883
166	11,406
167	18,038
168	10,198
169	10,631
170	11,192
171	10,177
172	10,709
173	10,488
174	10,725
175	18,090
176	18,868
177	19,647
178	17,325
179	16,545
180	16,183
181	14,775
182	12,277
183	11,538
184	11,329
185	14,658
186	17,365
187	14,148
188	12,643
189	12,840
190	12,899
191	12,901
192	12,906
193	15,362
194	17,453
195	13,661
196	12,942
197	12,141
198	12,133
199	21,078
200	14,047
201	11,447
202	11,851
203	14,840
204	14,718
205	17,456
206	18,708
207	111,423
208	144,396
209	124,753
210	51,798
211	38,223
212	21,677
213	166,886
214	21,148
215	78,187
216	53,109
217	26,268
218	27,184
219	43,666
220	47,775
221	4,109

206	BASIN
211	PARK
212, 213, 214, 215, 216, 217, 218, 219, 220, 221	O.S.
207, 208, 209, 210	SLOPE



TYPICAL PRIVATE STREET SECTION
STREET B - I, COURT K - Q
STREET A (ST J TO TTM 38605 ST "G")

SCALE: 1" = 10'



TYPICAL PRIVATE STREET SECTION
STREET A (ST J TO TTM 38605 ST "A") & STREET J

SCALE: 1" = 100'

PREPARED DATE: OCT. 2023

adkan ENGINEERS
Civil Engineering · Surveying · Planning
6879 Airport Drive, Riverside, CA 92504
Tel:(951) 688-0241 · Fax:(951) 688-0599

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270060009
APN	270060009
Property Type	Vacant Land - Predominate Agricultural Use
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	19.09

Legal Description

19.09 ACRES M/L IN POR N 1/2 OF SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 019.09 M/L Section 32 Portion 1/2 Range 05 RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Demolition 01/09/2022								
2023	01/01/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$199,065	$24,782	$12,600	$236,447			$236,447
2021					$201,127	$25,038	$12,730	$238,895			$238,895
2022					$205,149	$25,538	$12,984	$243,671			$243,671
2022					$0	($25,538)	($12,984)	($38,522)			($38,522)
2023					$209,251			$209,251			$209,251

Transfer History

Doc #	Sales Price	Date	Vacant Land
2005-0711605	$0	8/30/2005	False
2005-0683559	$0	8/19/2005	False
1991-0327240	$934,700	9/20/1991	False
1991-0327239	$0	9/20/1991	False
1991-0283877	$0	8/16/1991	False
1989-0103230	$0	4/3/1989	False
1988-0381555	$0	12/28/1988	False
1988-9909380-UC	$0	3/1/1988	False
1988-9909378-UC	$0	3/1/1988	False
1988-9909379-UC	$0	3/1/1988	False
1982-0043647	$112,500	3/15/1982	False
1978-0243700	$0	11/20/1978	False
1977-0229307	$7,000	11/16/1977	False
1977-0229308	$14,000	11/16/1977	False
1977-0229309	$21,000	11/16/1977	False
1975-0054082	$0	5/9/1975	False
1974-0018201	$0	2/1/1974	False
1973-0001362-RM	$0	10/1/1973	False
1967-0000855	$0	1/1/1967	False

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270060009 / Agricultural - Unrestricted	19.09	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270060005
APN	270060005
Property Type	Vacant Land - Predominate Agricultural Use
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	5.24

Legal Description

5.24 ACRES M/L IN POR N 1/2 OF SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 005.24 M/L Section 32 Portion 1/2 Range 05 RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Demolition 01/09/2022								
2023	01/01/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$52,497	$4,389	$4,637	$61,523			$61,523
2021					$53,040	$4,434	$4,685	$62,159			$62,159
2022					$54,100	$4,522	$4,778	$63,400			$63,400
2022					$0	($4,522)	($4,778)	($9,300)			($9,300)
2023					$55,182			$55,182			$55,182

Transfer History

Doc #	Sales Price	Date	Vacant Land
2005-0711605	$0	8/30/2005	False
2005-0683559	$0	8/19/2005	False
1991-0327240	$934,700	9/20/1991	False
1991-0327239	$0	9/20/1991	False
1991-0283877	$0	8/16/1991	False
1989-0103230	$0	4/3/1989	False
1988-0381555	$0	12/28/1988	False
1988-9909380-UC	$0	3/1/1988	False
1988-9909378-UC	$0	3/1/1988	False
1988-9909379-UC	$0	3/1/1988	False
1982-0043647	$112,500	3/15/1982	False
1978-0243700	$0	11/20/1978	False
1977-0229307	$7,000	11/16/1977	False
1977-0229308	$14,000	11/16/1977	False
1977-0229309	$21,000	11/16/1977	False
1975-0054082	$0	5/9/1975	False
1974-0018201	$0	2/1/1974	False
1973-0001362-RM	$0	10/1/1973	False
1967-0000855	$0	1/1/1967	False

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270060005 / Agricultural - Unrestricted	5.24	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270060016
APN	270060016
Property Type	Transitional Land - Agricultural Division
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	4.43

Legal Description

4.43 ACRES M/L IN POR NW 1/4 OF SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 004.43 M/L Section 32 Portion 1/4 Range 05 PortionDirection N RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Transfer 03/10/2022								
2023	01/01/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$432,972			$432,972			$432,972
2021					$437,457			$437,457			$437,457
2022					$446,206			$446,206			$446,206
2022					($244,206)			($244,206)			($244,206)
2023					$202,000			$202,000			$202,000

Transfer History

Doc #	Sales Price	Date	Vacant Land
2022-0415932	$1,200,000	10/3/2022	True
2015-0455496	$0	10/16/2015	False
2015-0455497	$400,000	10/16/2015	False
2014-0034787	$0	1/28/2014	False
NAME00003715196	$0	1/1/2007	False
2006-0278275-C	$0	4/18/2006	False
COND00003715193	$0	1/1/2006	False

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270060016 / Agricultural - Unrestricted	4.43	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270070002
APN	270070002
Property Type	Transitional Land - Agricultural Division
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	43.74

Legal Description

43.74 ACRES M/L IN POR SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 043.74 M/L Section 32 Portion 1/2 Range 05 RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Transfer 23/02/2023								
2023	01/01/2023								
2023	Transfer 23/02/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$1,565,191			$1,565,191			$1,565,191
2021					$1,581,406			$1,581,406			$1,581,406
2022					$1,613,034			$1,613,034			$1,613,034
2022					$136,566			$136,566			$136,566
2023					$1,645,294			$1,645,294			$1,645,294
2023					$104,306			$104,306			$104,306

Transfer History

Doc #	Sales Price	Date	Vacant Land
2023-0053066	$0	2/23/2023	True
2005-0861748	$52,000	10/19/2005	True
1999-0101061	$0	3/12/1999	True
1990-0374541	$0	10/11/1990	True
1989-0315322	$103,000	9/13/1989	True
1989-0315321	$855,000	9/13/1989	True
1989-0315320	$0	9/13/1989	True
1989-0305801	$855,000	9/6/1989	True
1989-0283778	$0	8/21/1989	True
1976-0115503	$0	8/6/1976	True
1973-0001362-RM	$0	10/1/1973	True
1973-0001362-RM	$0	10/1/1973	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270070002 / Agricultural - Unrestricted	43.74	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270070001
APN	270070001
Property Type	Vacant Land - Predominate Agricultural Use
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	13.39

Legal Description

13.39 ACRES M/L IN POR SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 013.39 M/L Section 32 Portion 1/2 Range 05 RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Demolition 01/09/2022								
2023	01/01/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$141,996	$16,780	$10,947	$169,723			$169,723
2021					$143,467	$16,953	$11,060	$171,480			$171,480
2022					$146,336	$17,292	$11,281	$174,909			$174,909
2022					$0	($17,292)	($11,281)	($28,573)			($28,573)
2023					$149,262			$149,262			$149,262

Transfer History

Doc #	Sales Price	Date	Vacant Land
2005-0711605	$0	8/30/2005	True
2005-0683559	$0	8/19/2005	True
1991-0327240	$934,700	9/20/1991	True
1991-0327239	$0	9/20/1991	True
1991-0283877	$0	8/16/1991	True
1989-0103230	$0	4/3/1989	True
1988-0381555	$0	12/28/1988	True
1988-9909380-UC	$0	3/1/1988	True
1988-9909378-UC	$0	3/1/1988	True
1988-9909379-UC	$0	3/1/1988	True
1982-0043647	$112,500	3/15/1982	True
1978-0243700	$0	11/20/1978	True
1977-0229307	$7,000	11/16/1977	True
1977-0229308	$14,000	11/16/1977	True
1977-0229309	$21,000	11/16/1977	True
1975-0054082	$0	5/9/1975	True
1974-0018201	$0	2/1/1974	True
1973-0001362-RM	$0	10/1/1973	True
1967-0000855	$0	1/1/1967	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270070001 / Agricultural - Unrestricted	13.39	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

Assessor - County Clerk - Recorder
Riverside County, CA

Property Detail

Assessment No.	270160004
APN	270160004
Property Type	Vacant Land - Predominate Agricultural Use
Neighborhood	Agricultural - Arlington Heights (West)
Acreage	26.45

Legal Description

26.45 ACRES M/L IN POR NW 1/4 OF SEC 32 T3S R5W FOR TOTAL DESCRIPTION SEE ASSESSORS MAPS TownshipN 3 Acres 026.45 M/L Section 32 Portion 1/4 Range 05 PortionDirection N RangeDirection W

Value History (Part 1)

Year	Reason Date	Market Value				Factored Base Year Value			
		Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total
2020	01/01/2020								
2021	01/01/2021								
2022	01/01/2022								
2022	Demolition 01/09/2022								
2023	01/01/2023								

Value History (Part 2)

Year	Restricted Value				Assessed Value				Penalty	Exemption	Net Taxable Value
	Land	Improvement	Living Improvement	Total	Land	Improvement	Living Improvement	Total			
2020					$275,383	$21,098	$22,228	$318,709			$318,709
2021					$278,235	$21,316	$22,458	$322,009			$322,009
2022					$283,799	$21,742	$22,907	$328,448			$328,448
2022					$0	($21,742)	($22,907)	($44,649)			($44,649)
2023					$289,474			$289,474			$289,474

Transfer History

Doc #	Sales Price	Date	Vacant Land
2005-0711605	$0	8/30/2005	True
2005-0683559	$0	8/19/2005	True
1991-0327240	$934,700	9/20/1991	True
1991-0327239	$0	9/20/1991	True
1991-0283877	$0	8/16/1991	True
1989-0103230	$0	4/3/1989	True
1988-0381555	$0	12/28/1988	True
1988-9909380-UC	$0	3/1/1988	True
1988-9909378-UC	$0	3/1/1988	True
1988-9909379-UC	$0	3/1/1988	True
1982-0043647	$112,500	3/15/1982	True
1978-0243700	$0	11/20/1978	True
1977-0229307	$7,000	11/16/1977	True
1977-0229308	$14,000	11/16/1977	True
1977-0229309	$21,000	11/16/1977	True
1975-0054082	$0	5/9/1975	True
1974-0018201	$0	2/1/1974	True
1973-0001363-RM	$0	10/1/1973	True
1967-0000855	$0	1/1/1967	True

Features

Land Details

Primary Use	Land Type	Acres	Eff. Frontage	Eff. Depth
Agricultural - Unrestricted	LandLine 01 / 270160004 / Agricultural - Unrestricted	26.45	0.00	0.00

Riverside County is not liable for erroneous or incomplete data.
California Revenue and Taxation Code Sec. 408.3 (d)

Date Printed: 3/22/2024

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
210-010-005, 210-010-006, 210-010-007
210-160-005

PROJECT DENSITY TABLE
PROJECT AREA: 95.46 AC.

PROPERTY OWNERS
210-160-003
AMBERY MICHAEL GREGORY
550 W PLUMB LN #B530,
RENO, NV 89504

210-010-006, 210-010-007
IRONCLAD HOLDING LLC
17863 GRANDIS CT,
RIVERSIDE, CA 92503

210-010-005
BOSCH PROP
BOSCH PROPERTIES LLC
16226 E 96TH ARK PL
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

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.

EARTHWORK QUANTITIES
CUT: 605,030 CY FILL: 605,030 CY NET: 0 CY
THE QUANTITY SHOWN ABOVE IS FOR DISCUSSION PURPOSES ONLY. 15% SHRINKAGE FACTORS ARE INCLUDED.

THOMAS BROS. GUIDE PAGE 745, GRID B6, C6

VICINITY MAP
SEC.32 NE T.3S. R.5W

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: 95.964 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 (18.91 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.

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

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

COVER SHEET
PREPARATION DATE : JAN 2023

adkan ENGINEERS
Civil Engineering · Surveying · Planning
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REVISIONS			
INT.	DESCRIPTION	APPR.	DATE

SHEET 1 OF 3

3/23/2023

U:\PROJECTS\FOREMOST COMMUNITIES\0784\MADDELL\TTM\TENTATIVE TRACT MAP.DWG

EX. TYPICAL TRAVERTINE DR. SECTION
SCALE: 1" = 10'

EX. TYPICAL EL SOBRANTE RD. SECTION
SCALE: 1" = 10'

TYPICAL STREET SECTION
STREET "B" - "F", COURT "H" - "L"
STREET "A" (ST "G" TO ST "E")
SCALE: 1" = 10'

TYPICAL PAD & LOT DETAIL
N.T.S.

TYPICAL STREET SECTION
STREET "A" (SOUTH BOUNDARY TO ST "G")
SCALE: 1" = 10'

TYPICAL STREET SECTION
STREET "G" (ST "A" TO EX. TRAVERTINE DR.)
SCALE: 1" = 10'

TYPICAL STREET SECTION
STREET "A" (OFF-SITE)
SCALE: 1" = 10'

INDEX MAP
SCALE: 1" = 500'

SCALE: 1" = 100'

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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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

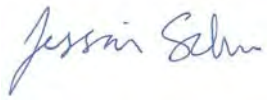
During the removal of household trash from the Subject Property a limited volume of soil should be removed from the area of dumped five-gallon buckets in the ravine at the northwest portion of the Subject Property. Following this limited excavation; confirmation samples should be collected to verify 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

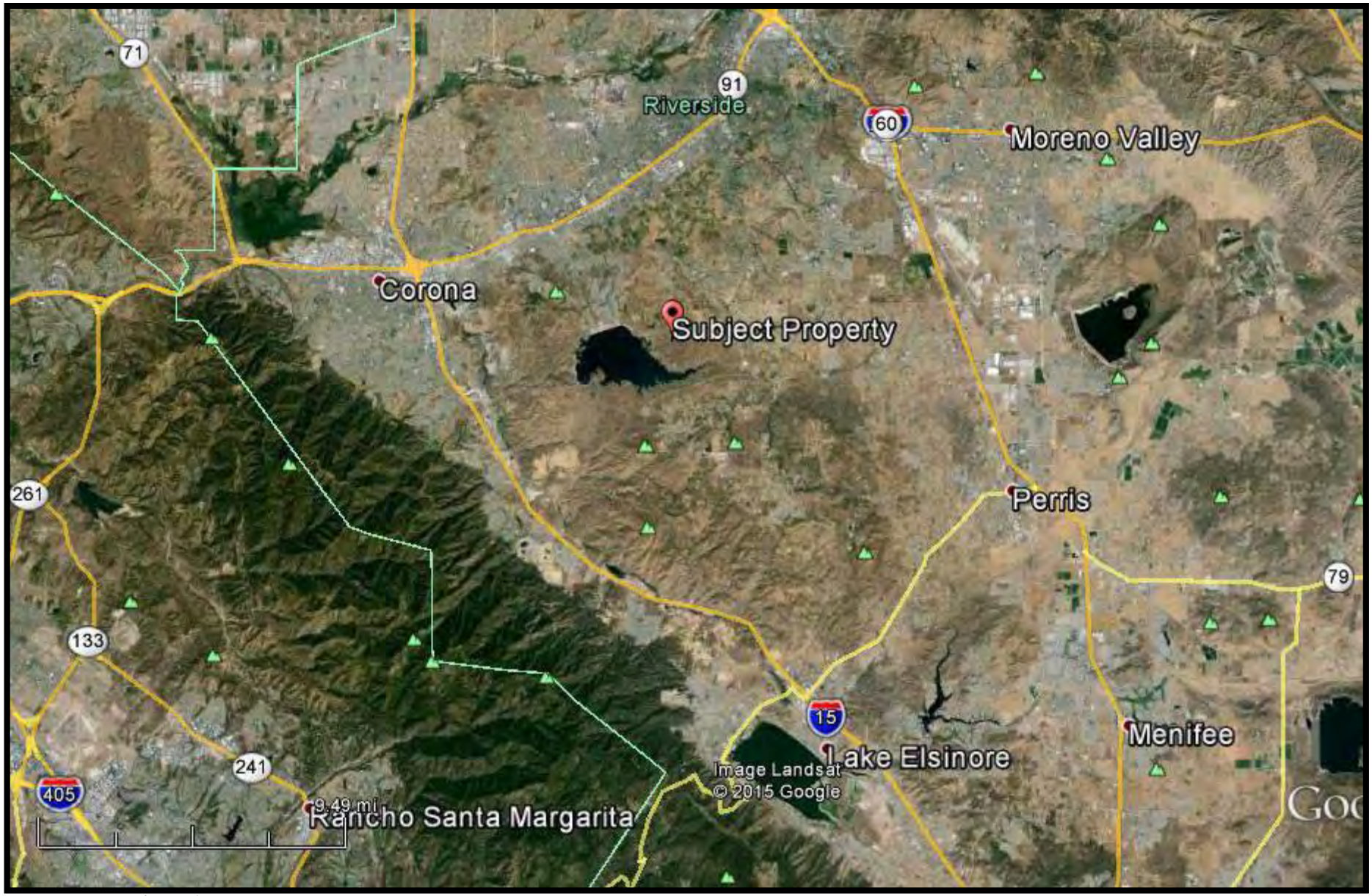
Screening Level - California Human Health Screening Levels (CHSSLs) for organochlorine pesticides and metals. Soil concentrations for residential land use listed.

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**

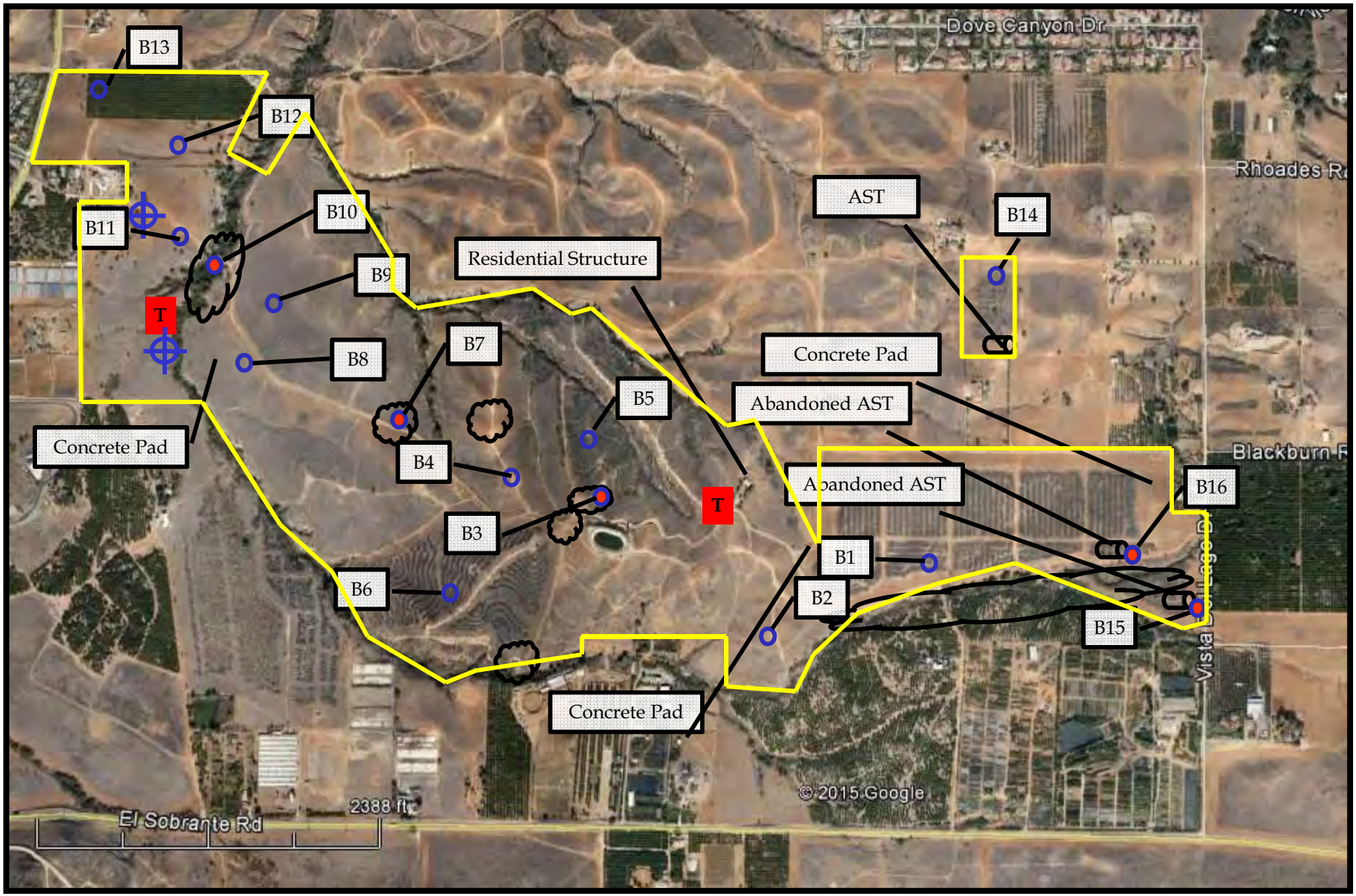
LOCATION: **Victoria Heights**

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	

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 C

EDR RADIUS MAP REPORT WITH GEOCHECK

APPENDIX D

USER PROVIDED INFORMATION

INTERVIEW

Property: Unincorporated Riverside County **Date:** 6-5-15

Address: 270-080-005 270-060-009 270-160-004 **Owner:** RJ El Sobrante, LLC
270-160-006 + 270-070-001

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 - Southern California Edison

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

Address: Riverside County - North of El Sobrante 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

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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								
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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.			
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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.			
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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.			
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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.				
				Grey rock flour				
4				B5@5 (10:10)				
				Boring backfilled with hydrated medium bentonite chips.				
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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.				
4				Granitic Parent Material				
				B6@5 (10:37)				
6				Boring backfilled with hydrated medium bentonite chips.				
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FIELD SOIL LOG:
DRILLING /
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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.				
4				Granitic Parent Material, Grey rock flour				
				B7@5 (10:57)				
6				Boring backfilled with hydrated medium bentonite chips.				
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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.			
4					Same as above			
					B8@5 (11:17			
6					Boring backfilled with hydrated medium bentonite chips.			
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Boring / MW #: B8

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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.				
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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.				
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Boring / MW #: B11

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FIELD SOIL LOG:
DRILLING /
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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									
10									
12									
14									
16									
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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.				
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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								
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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: 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.				
4				Granitic Parent Material				
				Same as above B15@5 (2:32)				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
10								
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Boring / MW #: B15

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DirtyProperty.com

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.				
4				Granitic Parent Material				
				Same as above B16@5 (3:02)				
6				Boring backfilled with hydrated medium bentonite chips.				
8								
10								
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Boring / MW #: B16

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

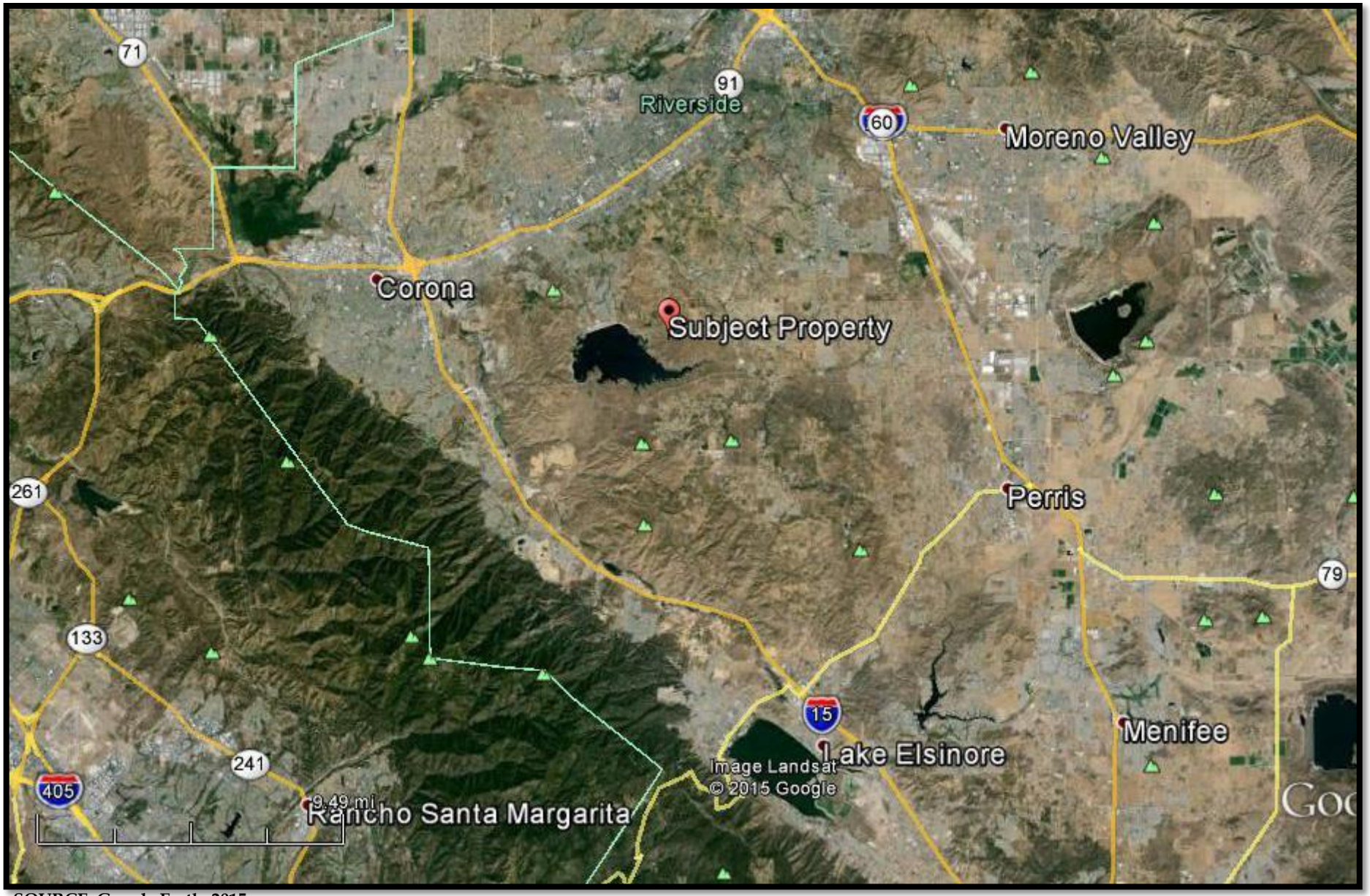
Sample designation	Date Collected	Concentration
A 9-34	9/20/2018	ND
A 9-38	9/20/2018	ND
A 10-3	9/18/2018	ND
A 10-6	9/18/2018	ND
A 10-11	9/18/2018	ND
A 10-14	9/18/2018	ND
A 10-18	9/18/2018	ND
A 10-22	9/18/2018	ND
A 10-28	9/18/2018	ND
A 10-29	9/18/2018	ND
A 10-34	9/18/2018	**8.7**
A 10-39	9/18/2018	ND
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**

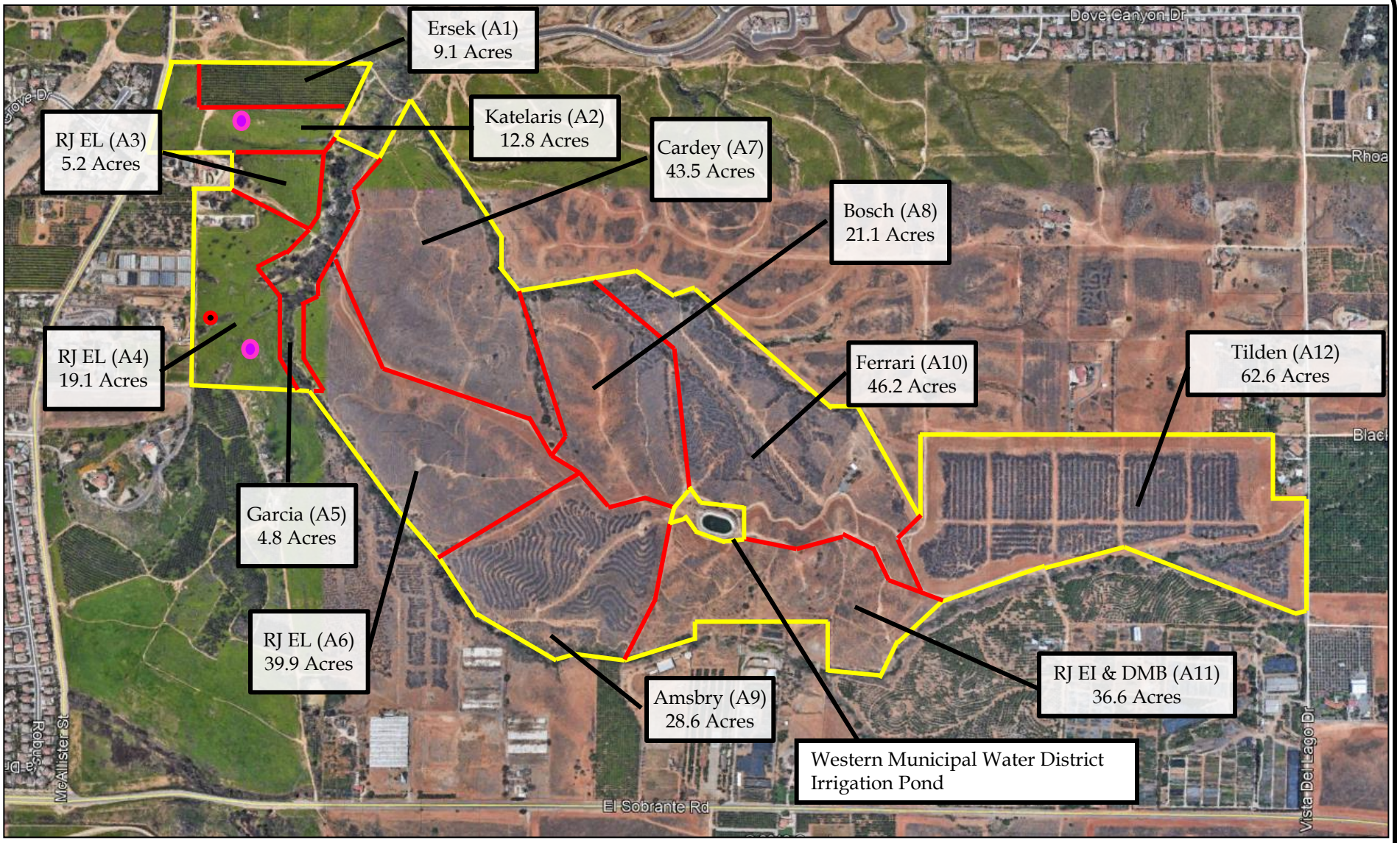
LOCATION: **Victoria Heights**

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

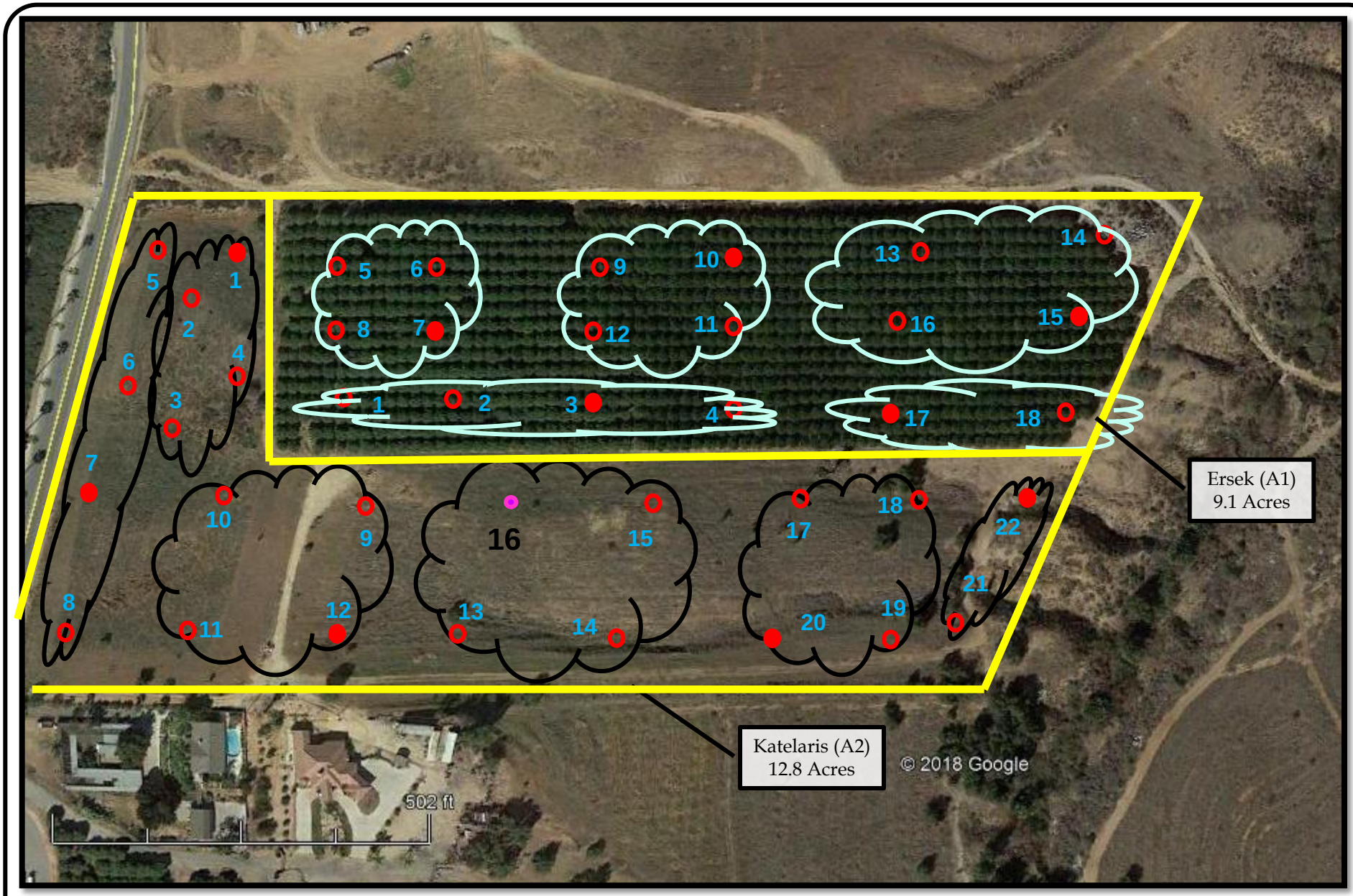
McAlister GeoScience

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)**

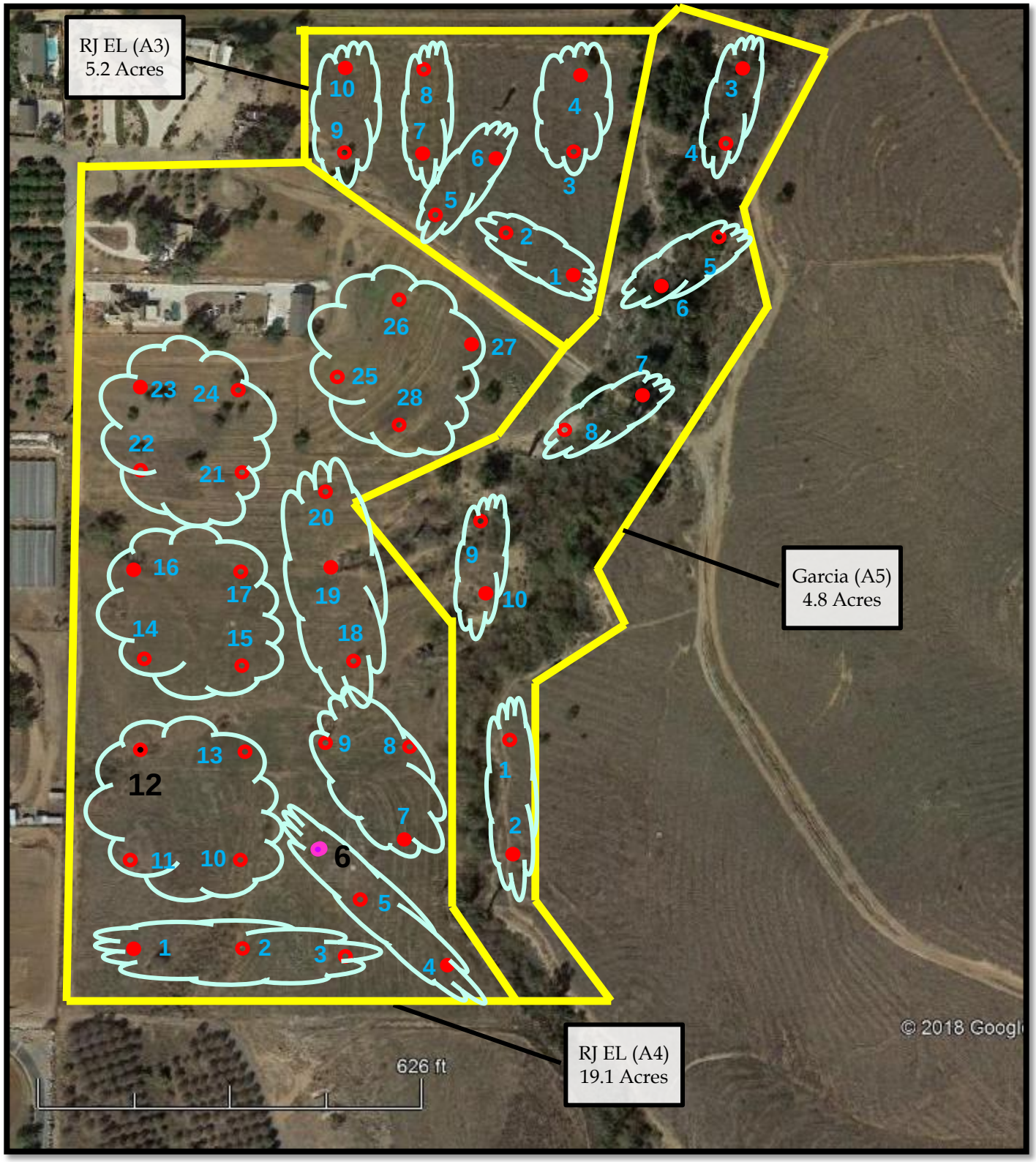
LOCATION: **Victoria Heights**

Riverside County, California

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
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

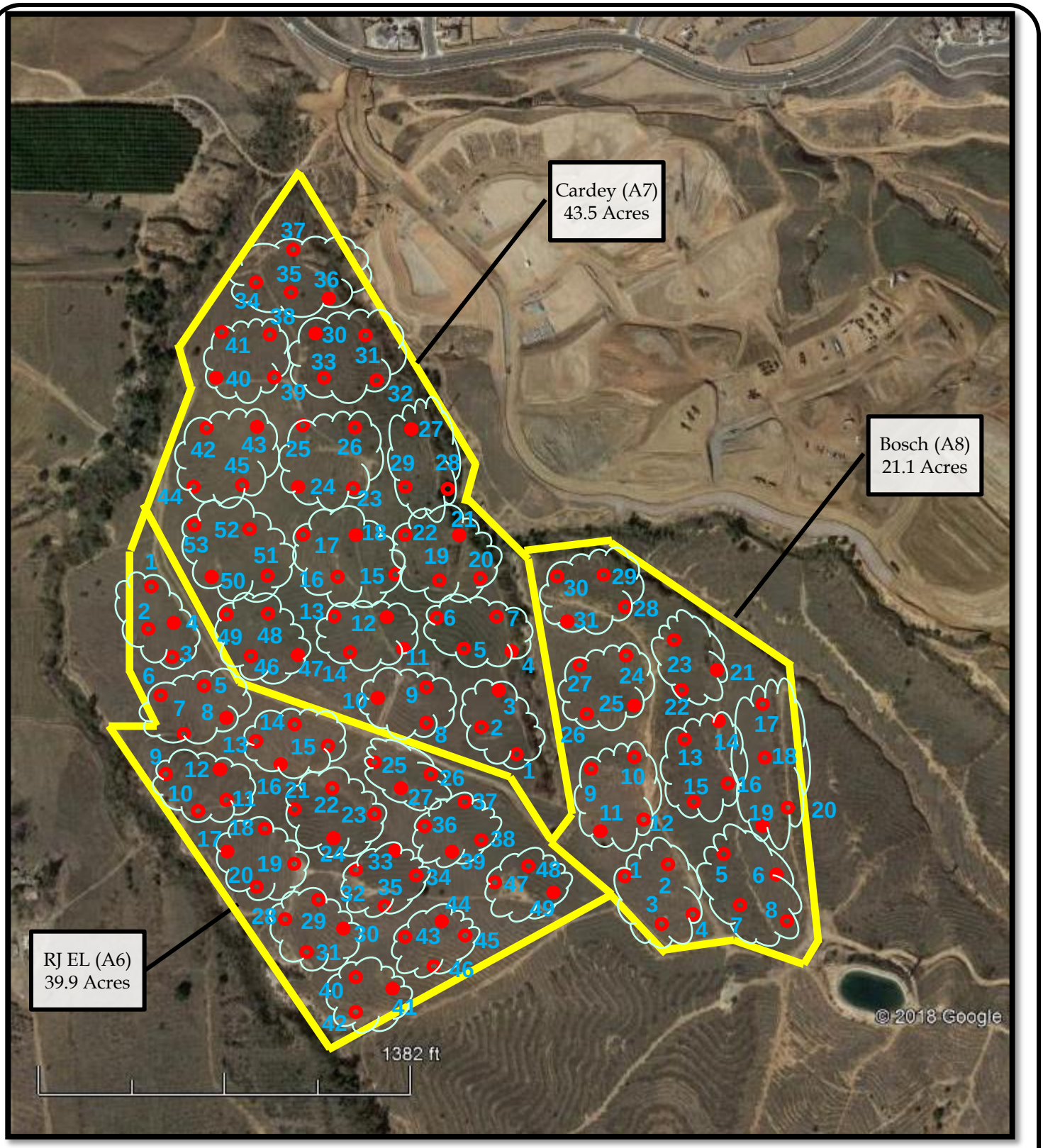
TITLE: **RJ EL (A3) / RJ EL (A4) / Garcia (A5)**

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

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
DATE:	09/25/2018

FIGURE: 4



Legend:

- Property Boundary
- Groundwater Well
- Sampling for Agricultural Chemicals
- Sampling for Arsenic

N

SOURCE: *Google Earth, 2018*

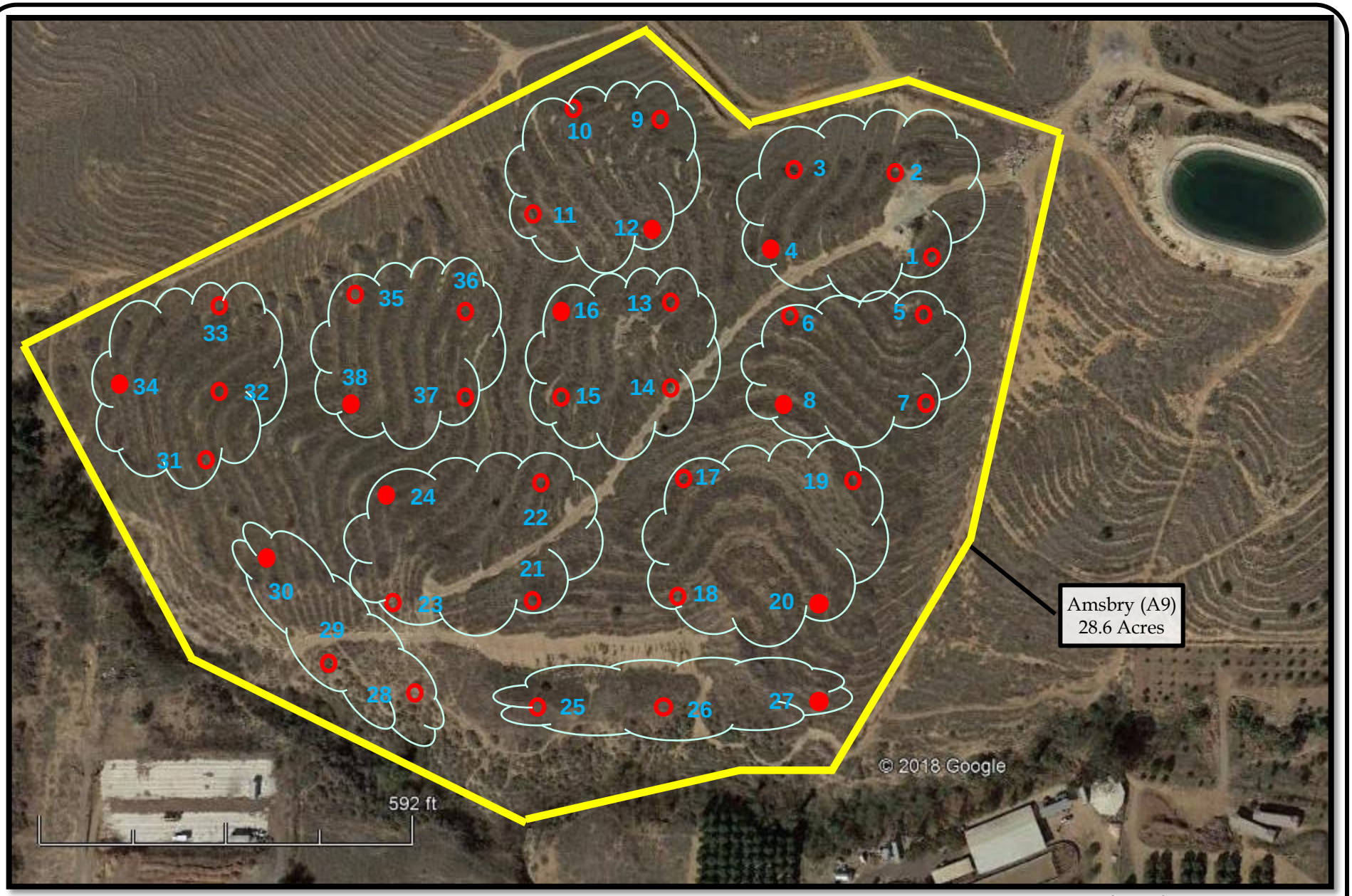
TITLE: **RJ EL (A6) / Cardey (A7) / Bosch (A8)**

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

McAlister GeoScience
5030 East 2nd Street, Suite 200 Long Beach, CA 90803
562-489-7908 DirtyProperty.com

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
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

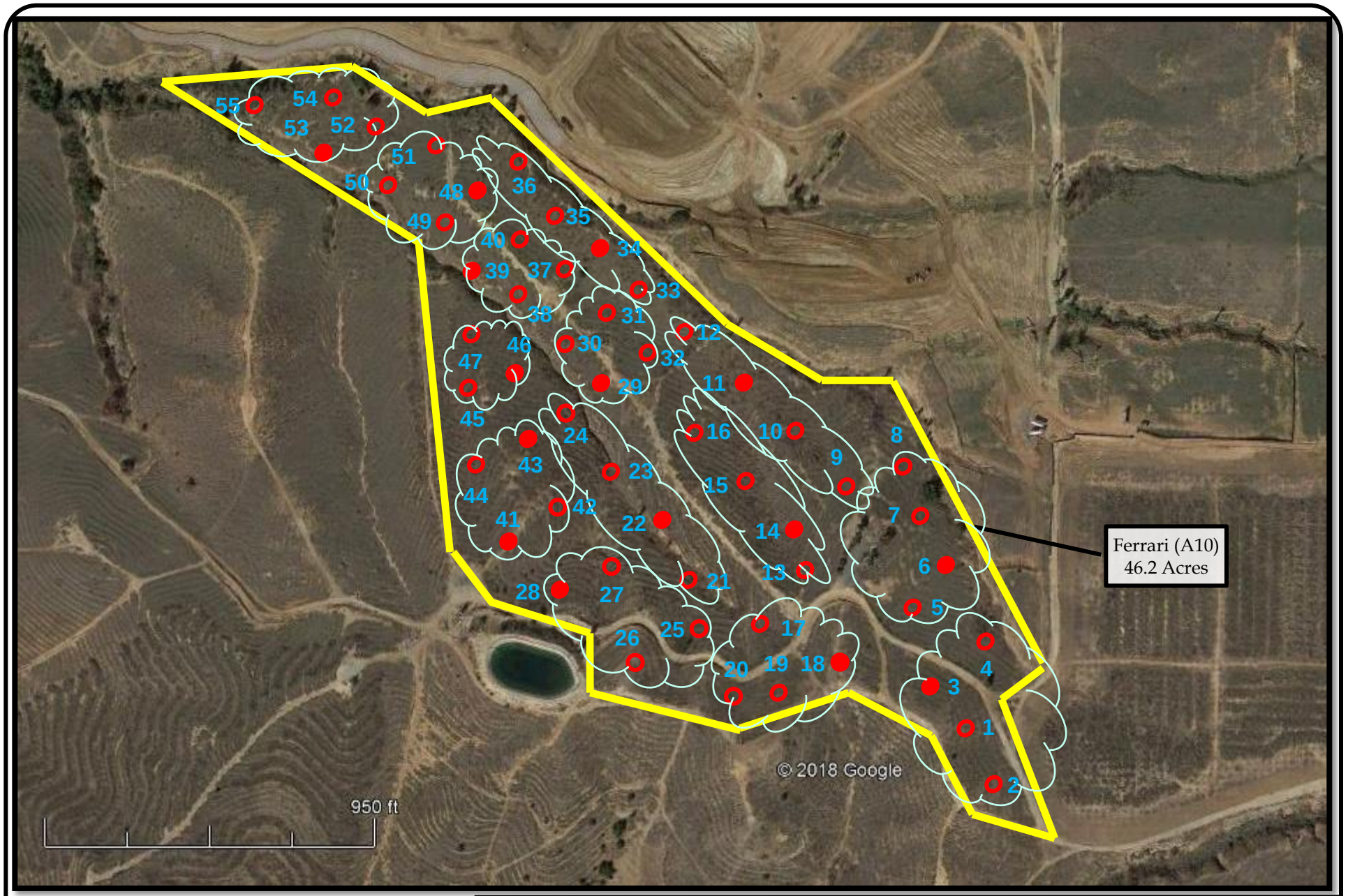
McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
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

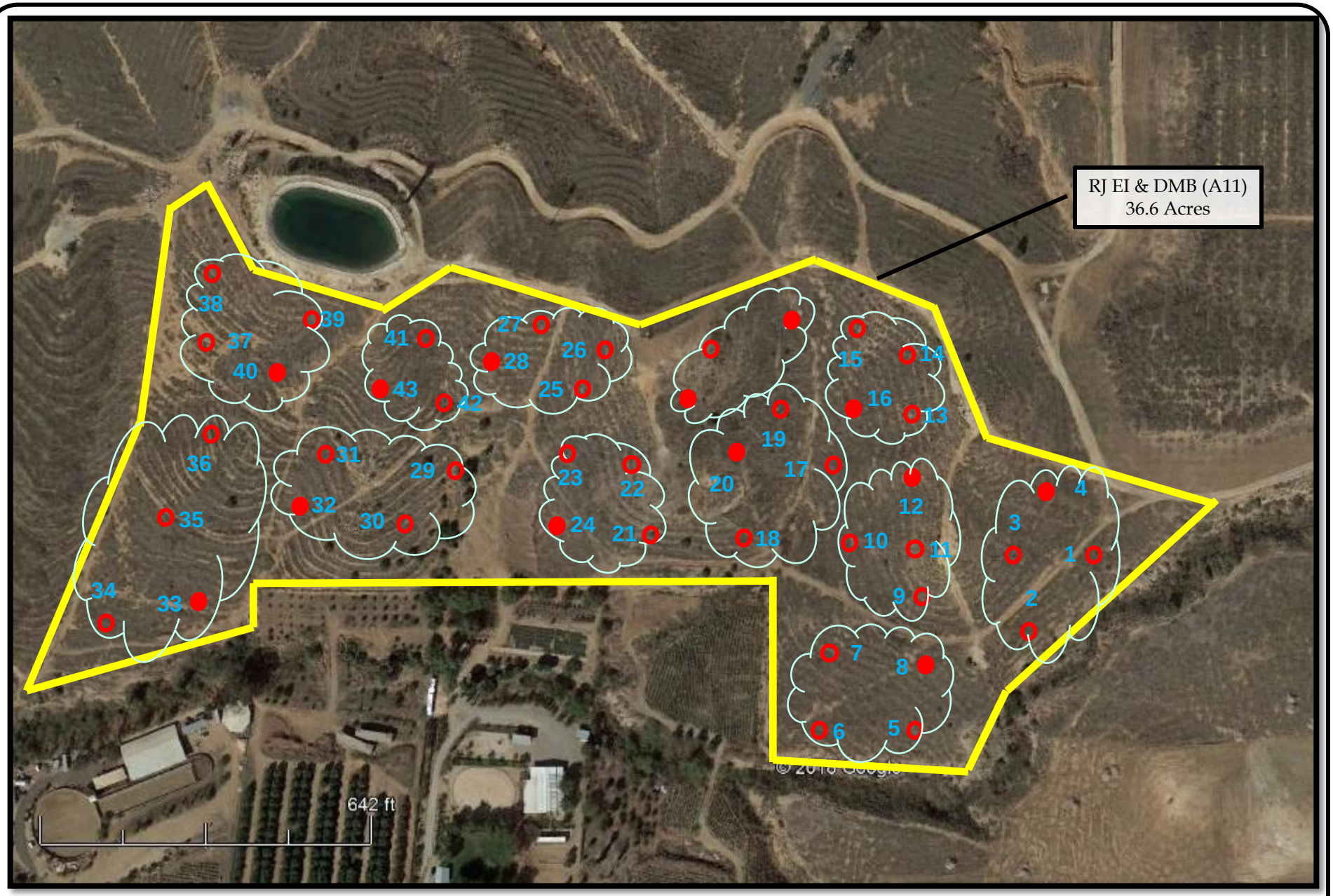
McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
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

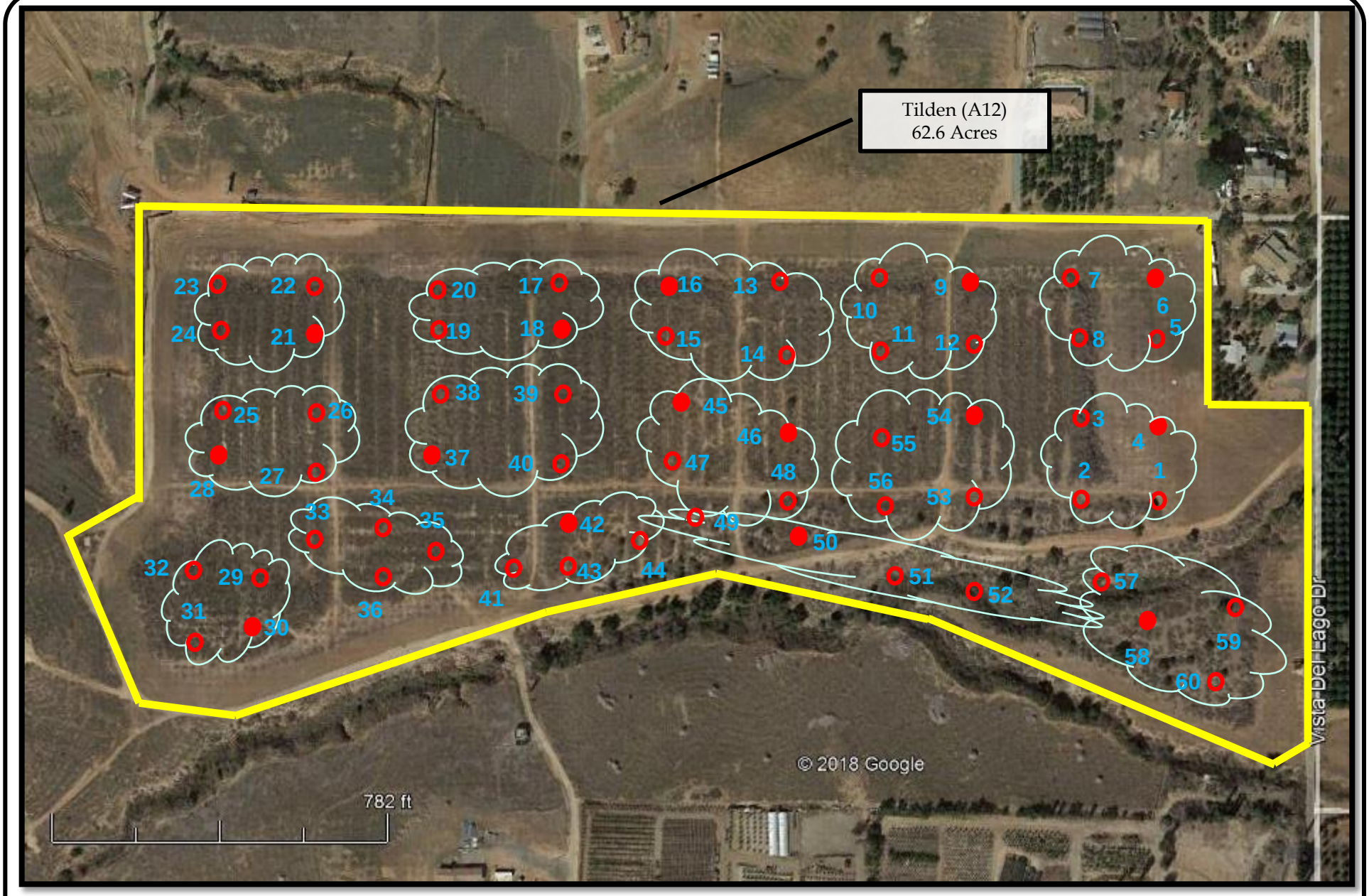
McAlister GeoScience

5030 East 2nd Street, Suite 200 Long Beach, CA 90803

562-489-7908 **DirtyProperty.com**

CHECKED:	D.McAlister
DRAFTED:	
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**

CHECKED:	D.McAlister
DRAFTED:	
FILE:	
DATE:	09/25/2018

FIGURE: 9

WATER | ENERGY | LIFE

CITY OF RIVERSIDE PUBLIC UTILITIES

WATER QUALITY REPORT 2022

WATER RESOURCES

RPU met all of its water supply needs in 2022 by utilizing groundwater sources located in the Bunker Hill and Riverside Basins. RPU directly treats some of its wells and blends all water sources at a central location before entering into distribution.

All data provided are from samples collected in the distribution system or at the entry point to the system:

- **Transmission Pipelines**
- **Distribution Pipelines**
- **Reservoirs**
- **Booster Stations**
- **Treatment Plants**

RIVERSIDE PUBLIC UTILITIES: 2022 WATER SAMPLING DATA

We are pleased to report that our water **met or surpassed** all state and federal drinking water quality standards in 2022.

6,000 - Samples collected to test for bacteria.

15,800 - Samples collected for source and system compliance and monitoring.

$586,310 - Spent on compliance laboratory costs.

8,000 - Samples collected for treatment plant compliance and monitoring.

29,800 - Total samples collected.

State certified independent laboratories perform water tests

Riverside Public Utilities tests for more than **200 regulated and unregulated contaminants** in our water system as required by state and federal regulations. This report provides data from sampling conducted in calendar year 2022. Only those contaminants detected in our water system are listed here. The state allows us to monitor for some contaminants less than once per year because concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old. For a listing of additional chemical tests, please contact our **Water Quality Division** at **(951) 351-6370.**

This report contains important information about your drinking water. Translate it or speak with someone who understands it.

SPANISH

Este reporte contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien. Para más información por favor llame (951) 351-6370.

CHINESE

此份有关你的食水报告,内有重要资料和讯息,请找他人为你翻译及解释清楚。

JAPANESE

この情報は重要です。
翻訳を依頼してください。

TAGALOG

Mahalaga ang impormasyong ito.
Mangyaring ipasalin ito.

VIETNAMESE

Chi tiết này thật quan trọng.
Xin nhờ người dịch cho quý vị.

KOREAN

이 안내는 매우 중요합니다.
본인을 위해 번역인을 사용하십시요.

RIVERSIDE PUBLIC UTILITIES 2022 WATER QUALITY REPORT

PRIMARY STANDARDS: MANDATORY HEALTH-RELATED STANDARDS

CONTAMINANT	STATE MCL	STATE PHG	RIVERSIDE PUBLIC UTILITIES AVERAGE	RIVERSIDE PUBLIC UTILITIES RANGE	SOURCES IN DRINKING WATER
MICROBIOLOGICAL Total Coliform (P/A) (a)	>5%	0 (MCLG)	0.18%	0 - 0.99%	Naturally present in environment
CLARITY Turbidity (John W. North Treatment Plant)	TT	NS	0.06 NTU (Highest)	100% Meeting turbidity limits	Soil runoff
REGULATED ORGANIC Total Trihalomethanes "TTHMs"	80 ug/L	NS	4 ug/L (Highest LRAA)	1.2 - 6.0 ug/L	By-product of drinking water disinfection
Chlorine	4 mg/L as Cl2 (MRDL)	4 mg/L as Cl2 (MRDLG)	0.61 mg/L	0.21 - 0.88 mg/L	Drinking water disinfectant added for treatment
REGULATED INORGANIC Arsenic	10 ug/L	0.004 ug/L	2.1 ug/L	ND - 4.4 ug/L	Erosion of natural deposits
Fluoride	2 mg/L	1 mg/L	0.48 mg/L	0.44 - 0.52 mg/L	Naturally present in environment
Nitrate (as nitrogen, N)	10 mg/L	10 mg/L	5.6 mg/L	5.0 - 7.5 mg/L	Naturally present in environment
Perchlorate	6 ug/L	1 ug/L	ND	ND - 2.9 ug/L	Inorganic chemical used in variety of industrial operatives
RADIOLOGICAL Uranium	20 pCi/L	0.43 pCi/L	6.3 pCi/L	4.3 - 8.6 pCi/L	Erosion of natural deposits
Gross Alpha	15 pCi/L (Net)	NS	ND	ND - 10 pCi/L "Net" Gross Alpha	Erosion of natural deposits
LEAD/COPPER (AL) (90% Household Tap) Copper	1300 ug/L	300 ug/L	90th percentile of 51 samples: 520 ug/L, Zero samples exceeded the Action Level		
Lead	15 ug/L	0.2 ug/L	90th percentile of 51 samples: ND, Zero samples exceeded the Action Level		

UNREGULATED CHEMICALS	NOTIFICATION LEVEL	RIVERSIDE AVERAGE	RIVERSIDE RANGE	
Chlorodibromoacetic acid	NS	0.08 ug/L	ND - 0.33 ug/L	2019 UCMR4 Data
Germanium (total)	NS	0.28 ug/L	ND - 0.44 ug/L	2019 UCMR4 Data
Perfluorooctanesulfonic sulfonate (PFOS)	6.5 ng/L	ND	ND - 4.9 ng/L	
Perfluorooctanoic acid (PFOA)	5.1 ng/L	ND	ND - 4.6 ng/L	
Perfluorobutanesulfonic acid (PFBS)	500 ng/L	ND	ND - 3.0 ng/L	
Perfluorohexanesulfonic acid (PFHxS)	NS	ND	ND - 3.0 ng/L	
Perfluorohexanoic Acid (PFHxA)	NS	4.8 ng/L	4.2 - 6.5 ng/L	
Perfluoroheptanoic Acid (PFHpA)	NS	ND	ND	

SECONDARY STANDARDS AESTHETIC STANDARDS

	STATE MCL	RIVERSIDE PUBLIC UTILITIES AVERAGE	RIVERSIDE PUBLIC UTILITIES RANGE	SOURCES IN DRINKING WATER
Chloride	500 mg/L	36 mg/L	32 - 39 mg/L	Naturally present in environment
Sulfate	500 mg/L	66 mg/L	60 - 72 mg/L	Naturally present in environment
Total Dissolved Solids "TDS"	1000 mg/L	350 mg/L	210 - 390 mg/L	Naturally present in environment
Specific Conductance	1600 umho/cm	563 umho/cm	500 - 610 umho/cm	Substances form ions in water
pH Units	NS	8 Units	7.2 - 9.9 Units	Naturally present in environment
Hardness (CaCO3) (12 gpg)	NS	202 mg/L	180 - 220 mg/L	Naturally present in environment

	STATE MCL	RIVERSIDE PUBLIC UTILITIES AVERAGE	RIVERSIDE PUBLIC UTILITIES RANGE	SOURCES IN DRINKING WATER
Alkalinity (CaCO3)	NS	166 mg/L	150 - 180 mg/L	Naturally present in environment
Sodium	NS	44 mg/L	41 - 45 mg/L	Naturally present in environment
Calcium	NS	65 mg/L	59 - 71 mg/L	Naturally present in environment
Potassium	NS	3 mg/L	2.8 - 3.4 mg/L	Naturally present in environment
Magnesium	NS	9.1 mg/L	7.9 - 10 mg/L	Naturally present in environment
Turbidity	5 NTU	0.09 NTU	ND - 1.5 NTU	Naturally present in environment
Odor	3 TON	ND	ND - 1 TON	Naturally present in environment

An important message about drinking water sources from the US EPA

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of land or through the ground, it dissolves naturally occurring minerals, and in some cases radioactive materials, and can pick up substances resulting from the presence of animals or human activity. Contaminants that may be present in source water include: **Microbial Contaminants**, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife. **Inorganic Contaminants,** such as salts and metals, that can be naturally occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. **Pesticides and Herbicides,** which may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses. **Organic Chemical Contaminants,** including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems. **Radioactive Contaminants,** which can be naturally occurring or be the result of oil and gas production and mining activities.

Regulations: In order to ensure that tap water is safe to drink, the U.S. Environmental Protection Agency (USEPA) and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that must provide the same protection for public health.

Important Health Information: Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons, such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly people, and infants, can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/ Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hot Line. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline at 1(800) 426-4791.

Water Sources: Riverside obtains its water supply from groundwater stored in the Bunker Hill and Riverside groundwater basins. An assessment of these drinking water sources for the City of Riverside was completed in May 2013. These sources are considered most vulnerable to historical contamination from industrial and agricultural operations.

A copy of the complete assessment is available at State Board District Office, 1350 Front Street, Room 2050, San Diego, CA 92101 or at Riverside Public Utilities (RPU) offices at 3750 University Ave. 3rd Floor, Riverside, CA 92501. You may request a summary of the assessment be sent to you by contacting the State Board district engineer or a RPU water system representative at (951) 351-6370.

Definitions

Maximum Contaminant Level (MCL) The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG) The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the US Environmental Protection Agency (USEPA).

Public Health Goal (PHG) The level of a contaminant in drinking water below which there is no known or expected health risk. PHGs are set by the California EPA.

Regulatory Action Level (AL) The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Primary Drinking Water Standard (PDWS) MCLs and MRDL's for contaminants that affect health, along with their monitoring and reporting requirements, and water treatment requirements.

Maximum Residual Disinfectant Level (MRDL) The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Millirem (mrem) is a unit used to account for various radiations that have an effect on humans.

Parts Per Million (mg/L) One part per million corresponds to one minute in two years or one penny in $10,000.

Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.

Parts Per Billion (ug/L) One part per billion corresponds to one minute in 2,000 years or one penny in $10,000,000.

Parts Per Trillion (ng/L) One part per trillion corresponds to one minute in two million years or one penny in $10,000,000,000.

Picocuries Per Liter (pCi/L) A measure of the radioactivity in water.

Nephelometric Turbidity Units (NTU) A measure of suspended material in water.

Micromhos (µMHOS) A measure of conductivity (electric current) in water.

UCMR4 Fourth Unregulated Contaminant Monitoring Rule

NL Notification level

ND Not detected at the detection limit for reporting.

NS No standard.

GPG Grains per gallon of hardness (1 gpg = 17.1 mg/L).

LRAA Locational Running Annual Average

< Less than the detectable levels.

(a) Results of all samples collected from the distribution system during any month shall be free of total coliforms in 95% or more of the monthly samples. This Consumer Confidence Report (CCR) reflects changes in drinking water regulatory requirements during 2016. All water systems are required to comply with the state Total Coliform Rule. Beginning April 1, 2016, all water systems are also required to comply with the federal revised Total Coliform Rule. The new federal rule maintains the purpose to protect public health by ensuring the integrity of the drinking water distribution system and monitoring for the presence of microbials (i.e., total coliform and E. coli bacteria). The U.S. EPA anticipates greater public health protection as the new rule requires water systems that are vulnerable to microbial contamination to identify and fix problems. Water systems that exceed a specified frequency of total coliform occurrences are required to conduct an assessment to determine if any sanitary defects exist. If found these must be corrected by the water system.

Additional Regulatory Information

Fluoride - The State Water Resources Control Board (State Board) has established an "optimal" fluoride level for water at 1 mg/L. Riverside has naturally occurring fluoride levels at 0.5 mg/L and is not planning to add fluoride to its water by artificial means.

Nitrate - Nitrate in drinking water at levels above 10 mg/L is a health risk for infants of less than six months of age. Such nitrate levels in drinking water can interfere with the capacity of an infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. Nitrate levels above 10 mg/L may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. If you are caring for an infant or you are pregnant, you should ask advice about nitrate levels from your health care provider.

Riverside provides drinking water that on average is at 5.6 mg/L and has a range from 5.0 mg/L to 7.5 mg/L during the year. The State Board has set the MCL for nitrate at 10 mg/L. Riverside has 46 wells that are blended to comply with drinking water standards. The city conducts extensive monitoring of the blend operations. Seasonal variation in demand and flow, in addition to system maintenance and repair, impact the nitrate levels during the year.

Perchlorate - Perchlorate is a regulated drinking water contaminant in California. The maximum contaminant level for perchlorate is 6 parts per billion. Perchlorate salts were used in solid rocket propellants and other industrial applications.

Turbidity - A measure of the cloudiness of the water. Turbidity is a good indicator of the effectiveness of our filtration system.

Monitoring Unregulated Contaminants

This monitoring helps USEPA to determine where certain contaminants occur and whether the contaminants need to be regulated. Data is available at EPA.gov/dwucmr.

LEAD AWARENESS

LEAD AND COPPER RULE

The **Lead and Copper Rule** (LCR) was developed to protect public health and reduce exposure to lead and copper in drinking water. The most common sources of lead and copper in drinking water is corrosion of plumbing materials that may be made with lead and copper such as pipes, solder, fixtures, and faucets. Water systems are required to monitor lead and copper levels by conducting sampling at select customer taps. The LCR requires that 90 percent of samples taken from drinking water taps in the program homes must be below the action levels. Monitoring is required every 3 years.

In 2022, 51 homes participated in the monitoring program. No lead was detected in the 90th percentile samples. The average value listed for copper is the 90th percentile result. No home exceeded the action level for either lead or copper. The next monitoring program is scheduled for 2025. From 2017-2019, RPU tested all required schools per State regulations.

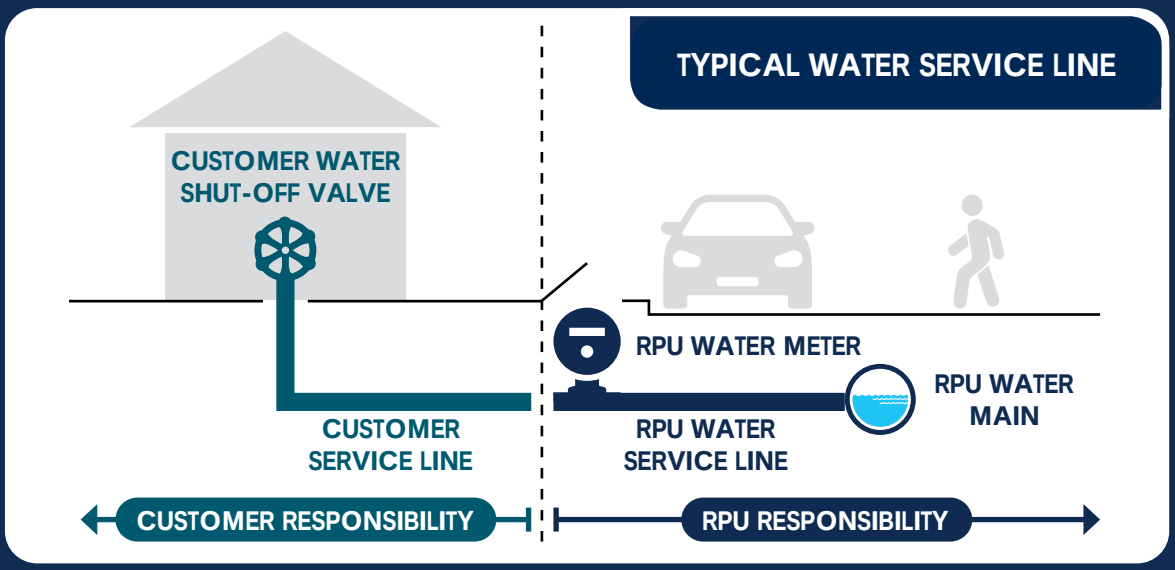
WHAT TO KNOW ABOUT LEAD

Riverside Public Utilities' drinking water does not contain lead when it leaves our treatment plants. The risk for lead to get into the water is from pipes and plumbing within your home or property that are made of lead.

CUSTOMERS MIGHT HAVE A PRIVATE LEAD LINE

While Riverside Public Utilities has replaced all its known lead service lines, older homes (those typically built before 1986) may still have a privately owned lead or galvanized line. These privately owned service lines connect to Riverside Public Utilities' water lines at the water meter and are the customer's responsibility to maintain.

New Lead and Copper Rule Revisions (LCRR) will require community water systems to conduct an inventory of service lines connected to the water system's distribution system, regardless of ownership status, to determine the materials of those lines. As new guidance for the LCRR is issued, Riverside Public Utilities will begin to collect service line inventory for the private-side portion of the water service line.



LEAD AND YOUR HEALTH

The following health information is from the EPA. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing.

Riverside Public Utilities is responsible for providing high quality drinking water but cannot control the variety of materials used in plumbing components.

When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline, **(800) 426-4791** or online at **EPA.gov/Lead.**

WATER | ENERGY | LIFE

CITY OF RIVERSIDE PUBLIC UTILITIES

INFORME SOBRE LA CALIDAD DEL AGUA 2022

RECURSOS HIDRÁULICOS

RPU satisfizo todas sus necesidades de suministro de agua en 2022 mediante la utilización de fuentes de agua subterránea ubicadas en las Cuencas de Bunker Hill y Riverside. RPU trata directamente algunos de sus pozos y mezcla todas las fuentes de agua en un lugar central antes de entrar en distribución.

Todos los datos proporcionados proceden de muestras recogidas en el sistema de distribución o en el punto de entrada al sistema:

- **Tuberías de Transmisión**
- **Tuberías de Distribución**
- **Tanques**
- **Estaciones de Refuerzo**
- **Plantas de Tratamiento**

RIVERSIDE PUBLIC UTILITIES: 2022 DATOS DE MUESTREO DEL AGUA

Nos complace informar que nuestra agua **cumplió o superó** todos los estándares estatales y federales de calidad del agua potable en 2022.

6,000 - Muestras recogidas para detectar bacterias.

15,800 - Muestras recogidas para el cumplimiento y seguimiento de fuentes y sistemas.

$586,310 Invertidos en costos de laboratorio para el cumplimiento.

8,000 - Muestras recogidas para el cumplimiento y seguimiento de las plantas de tratamiento.

29,800 - Total de muestras recogidas.

Laboratorios independientes certificados por el estado realizan las pruebas del agua

Riverside Public Utilities hace pruebas para más de **200 contaminantes regulados y no regulados** en nuestro sistema de agua según lo requieren las normativas estatales y federales. Este informe proporciona datos de muestreo realizado en el año calendario 2022. Solamente esos contaminantes detectados en nuestro sistema de agua se enumeran aquí. El estado nos permite monitorear algunos contaminantes menos de una vez al año porque las concentraciones de estos contaminantes no cambian con frecuencia. Algunos de nuestros datos, aunque representativos, tienen más de un año de antigüedad. Para obtener una lista de pruebas químicas adicionales, póngase en contacto con nuestra **División de Calidad del Agua** al **(951) 351-6370.**

Este reporte contiene información importante acerca de su agua potable. Tradúzcalo o hable con alguien que lo entienda.

ESPAÑOL

Este reporte contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien. Para más información por favor llame (951) 351-6370.

CHINO

此份有关你的食水报告,内有重要资料和讯息,请找他人为你翻译及解释清楚。

JAPONÉS

この情報は重要です。
翻訳を依頼してください。

TAGALOG

Mahalaga ang impormasyong ito.
Mangyaring ipasalin ito.

VIETNAMITA

Chi tiết này thật quan trọng.
Xin nhờ người dịch cho quý vị.

COREANO

이 안내는 매우 중요합니다.
본인을 위해 번역인을 사용하십시요.

INFORME SOBRE LA CALIDAD DEL AGUA DE RIVERSIDE PUBLIC UTILITIES 2022

NORMAS PRIMARIAS: NORMAS OBLIGATORIAS RELACIONADAS CON LA SALUD

CONTAMINANTE	MCL DEL ESTADO	PHG DEL ESTADO	RIVERSIDE PUBLIC UTILITIES PROMEDIO	RIVERSIDE PUBLIC UTILITIES RANGO	FUENTES EN EL AGUA POTABLE
MICROBIOLÓGICO Coliforme total (P/A) (a)	>5%	0 (MCLG)	0.18%	0 - 0.99%	Naturalmente presente en el medio ambiente
CLARIDAD Turbidez (John W. North Treatment Plant)	TT	NS	0.06 NTU (Más Alto)	Límites de Turbidez del 100%	Escorrentía de suelo
ORGÁNICO REGULADO Total Trihalometanos "TTHMs"	80 ug/L	NS	4 ug/L (LRAA Más Alto)	1.2 - 6.0 ug/L	Subproducto de la desinfección del agua potable
Cloro	4 mg/L as Cl2 (MRDL)	4 mg/L as Cl2 (MRDLG)	0.61 mg/L	0.21 - 0.88 mg/L	Desinfectante de agua potable añadido para el tratamiento
REGULADO INORGÁNICO Arsénico	10 ug/L	0.004 ug/L	2.1 ug/L	ND - 4.4 ug/L	Erosión de los depósitos naturales
Fluoruro	2 mg/L	1 mg/L	0.48 mg/L	0.44 - 0.52 mg/L	Naturalmente presente en el medio ambiente
Nitrato (como nitrógeno, N)	10 mg/L	10 mg/L	5.6 mg/L	5.0 - 7.5 mg/L	Naturalmente presente en el medio ambiente
Perclorato	6 ug/L	1 ug/L	ND	ND - 2.9 ug/L	Químico inorgánico utilizado en variedad de operativos industriales
RADIOLÓGICO Uranio	20 pCi/L	0.43 pCi/L	6.3 pCi/L	4.3 - 8.6 pCi/L	Erosión de los depósitos naturales
Alfa Total	15 pCi/L (Neto)	NS	ND	ND - 10 pCi/L Alfa Total "Neto"	Erosión de los depósitos naturales
PLOMO/COBRE (AL) (90% Grifo del Hogar) Cobre	1300 ug/L	300 ug/L	Percentil 90 de 51 muestras: 520 ug/L, Cero muestras excedieron el nivel de acción		
Plomo	15 ug/L	0.2 ug/L	Percentil 90 de 51 muestras: ND, Cero muestras excedieron el nivel de acción		

PRODUCTOS QUÍMICOS NO REGULADOS	NIVEL DE NOTIFICACIÓN	RIVERSIDE PROMEDIO	RIVERSIDE RANGO	
Ácido clorodibromoacético	NS	0.08 ug/L	ND - 0.33 ug/L	Datos de UCMR4 2019
Germanio (total)	NS	0.28 ug/L	ND - 0.44 ug/L	Datos de UCMR4 2019
Sulfonato perfluorooctanosulfónico (PFOS)	6.5 ng/L	ND	ND - 4.9 ng/L	
Ácido perfluorooctanoico (PFOA)	5.1 ng/L	ND	ND - 4.6 ng/L	
Ácido perfluorobutanosulfónico (PFBS)	500 ng/L	ND	ND - 3.0 ng/L	
Ácido perfluorohexanosulfónico (PFHxS)	NS	ND	ND - 3.0 ng/L	
Ácido perfluorohexanoico (PFHxA)	NS	4.8 ng/L	4.2 - 6.5 ng/L	
Ácido perfluoroheptanoico (PFHpA)	NS	ND	ND	

NORMAS SECUNDARIAS NORMAS ESTÉTICAS

	MCL ESTATAL	RIVERSIDE PUBLIC UTILITIES PROMEDIO	RIVERSIDE PUBLIC UTILITIES RANGO	FUENTES EN EL AGUA POTABLE
Cloruro	500 mg/L	36 mg/L	32 - 39 mg/L	Naturalmente presente en el medio ambiente
Sulfato	500 mg/L	66 mg/L	60 - 72 mg/L	Naturalmente presente en el medio ambiente
Sólidos Disueltos Totales "TDS"	1000 mg/L	350 mg/L	210 - 390 mg/L	Naturalmente presente en el medio ambiente
Conductancia Específica	1600 umho/cm	563 umho/cm	500 - 610 umho/cm	Las sustancias forman iones en el agua
Unidades de pH	NS	8 Unidades	7.2 - 9.9 Unidades	Naturalmente presente en el medio ambiente
Dureza (CaCO3) (12 gpg)	NS	202 mg/L	180 - 220 mg/L	Naturalmente presente en el medio ambiente

	MCL ESTATAL	RIVERSIDE PUBLIC UTILITIES PROMEDIO	RIVERSIDE PUBLIC UTILITIES RANGO	FUENTES EN EL AGUA POTABLE
Alcalinidad (CaCO3)	NS	166 mg/L	150 - 180 mg/L	Naturalmente presente en el medio ambiente
Sodio	NS	44 mg/L	41 - 45 mg/L	Naturalmente presente en el medio ambiente
Calcio	NS	65 mg/L	59 - 71 mg/L	Naturalmente presente en el medio ambiente
Potasio	NS	3 mg/L	2.8 - 3.4 mg/L	Naturalmente presente en el medio ambiente
Magnesio	NS	9.1 mg/L	7.9 - 10 mg/L	Naturalmente presente en el medio ambiente
Turbidez	5 NTU	0.09 NTU	ND - 1.5 NTU	Naturalmente presente en el medio ambiente
Olor	3 TON	ND	ND - 1 TON	Naturalmente presente en el medio ambiente

Un mensaje importante sobre las fuentes de agua potable de la EPA de EE.UU.

Las fuentes de agua potable (tanto agua del grifo como agua embotellada) incluyen ríos, lagos, arroyos, estanques, embalses, manantiales y pozos. A medida que el agua viaja sobre la superficie de la tierra o a través del suelo, disuelve minerales naturales, y en algunos casos materiales radiactivos, y puede recoger sustancias resultantes de la presencia de animales o actividad humana. Los contaminantes que pueden estar presentes en el agua de origen incluyen: **Contaminantes Microbianos,** como virus y bacterias, que pueden provenir de plantas de tratamiento de aguas residuales, sistemas sépticos, operaciones ganaderas agrícolas y vida silvestre. **Contaminantes Inorgánicos,** como sales y metales, que pueden ocurrir naturalmente o resultar de escorrentías urbanas de aguas pluviales, descargas de aguas residuales industriales o domésticas, producción de petróleo y gas, minería o explotación agrícola. **Pesticidas y Herbicidas,** que pueden provenir de una variedad de fuentes, como la agricultura, la escorrentía de aguas pluviales urbanas y los usos residenciales. **Contaminantes Químicos Orgánicos,** incluidos los productos químicos orgánicos sintéticos y volátiles, que son productos electrónicos de los procesos industriales y la producción de petróleo y también pueden provenir de estaciones de servicio, escorrentías urbanas de aguas pluviales, aplicaciones agrícolas y sistemas sépticos. **Contaminantes Radiactivos,** que pueden producirse naturalmente en o ser el resultado de las actividades de producción y minería de petróleo y gas.

Reglamentos: Con el fin de garantizar que el agua del grifo sea segura para beber, la Agencia de Protección Ambiental de los Estados Unidos (USEPA) y la Junta Estatal de Control de Recursos Hidráulicos (Junta Estatal) prescriben regulaciones que limitan la cantidad de ciertos contaminantes en el agua proporcionada por los sistemas públicos de agua. Las regulaciones de la Junta de Estado también establecen límites para los contaminantes en el agua embotellada que deben proporcionar la misma protección para la salud pública.

Información Importante sobre la Salud: Algunas personas pueden ser más vulnerables a los contaminantes en el agua potable que la población general. Las personas inmunodeprimidas, como las personas con cáncer sometidas a quimioterapia, las personas que se han sometido a trasplantes de órganos, las personas con VIH/SIDA u otros trastornos del sistema inmunitario, algunas personas mayores y los bebés, pueden estar particularmente en riesgo de infecciones. Estas personas deben buscar consejo sobre el agua potable de sus proveedores de atención médica. Directrices de USEPA/Centro para el Control de Enfermedades (CDC) sobre los medios apropiados para disminuir el riesgo de infección por Cryptosporidium y otros contaminantes microbianos están disponibles en la Línea Directa de Agua Potable Segura. Es razonable esperar que el agua potable, incluida el agua embotellada, contenga al menos pequeñas cantidades de algunos contaminantes. La presencia de contaminantes no indica necesariamente que el agua represente un riesgo para la salud. Puede obtenerse más información sobre contaminantes y posibles efectos sobre la salud llamando a la Línea Directa de Agua Potable Segura de la USEPA al 1(800) 426-4791.

Fuentes de Agua: Riverside obtiene su suministro de agua de las aguas subterráneas almacenadas en las cuencas de agua subterránea de Bunker Hill y Riverside. Una evaluación de estas fuentes de agua potable para la Ciudad de Riverside se completó en mayo de 2013. Estas fuentes se consideran las más vulnerables a la contaminación histórica de las operaciones industriales y agrícolas.

Una copia de la evaluación completa está disponible en la Oficina de Distrito de la Junta Estatal, 1350 Front Street, Sala 2050, San Diego, CA 92101 o en las oficinas de Riverside Public Utilities (RPU) en 3750 University Ave. 3er Piso, Riverside, CA 92501. Puede solicitar que se le envíe un resumen de la evaluación poniéndose en contacto con el Representante del sistema de agua RPU al (951) 351-6370.

Definiciones

Nivel Máximo de Contaminantes (MCL) El nivel más alto de un contaminante permitido en el agua potable. Los MCL primarios se establecen tan cerca de los PHGs (o los MCLGs) como es económica y tecnológicamente factible. Los MCLs secundarios están configurados para proteger el olor, el sabor y la apariencia del agua potable.

Meta de Nivel Máximo de Contaminantes (MCLG) El nivel de un contaminante en el agua potable por debajo del cual no se conoce ni se espera riesgo para la salud. Los MCLGs son establecidos por la Agencia de Protección Ambiental de los Estados Unidos (USEPA).

Meta de Salud Pública (PHG) El nivel de un contaminante en el agua potable por debajo del cual no hay riesgo conocido o esperado para la salud. Los PHGs son establecidos por la EPA de California.

Nivel de Acción Regulatoria (AL) La concentración de un contaminante que, si se supera, desencadena el tratamiento u otros requisitos que debe seguir un sistema de agua.

Estándar Primario de Agua Potable (PDWS) MCLs y MRDLs para contaminantes que afectan la salud, junto con sus requisitos de monitoreo e informes, y requisitos de tratamiento de agua.

Nivel Máximo de Desinfectante Residual (MRDL) El nivel más alto de desinfectante permitido en el agua potable. Hay pruebas convincentes de que la adición de un desinfectante es necesaria para el control de contaminantes microbianos.

Meta del Nivel Máximo de Desinfectante Residual (MRDLG) El nivel de desinfectante de agua potable por debajo del cual no se conoce ni se espera riesgo para la salud. Los MRDLGs no reflejan los beneficios del uso de desinfectantes para controlar contaminantes microbianos.

Milirem (mrem) es una unidad utilizada para dar cuenta de varias radiaciones que tienen un efecto en los seres humanos.

Partes Por Millón (mg/L) Una parte por millón corresponde a un minuto en dos años o un centavo en $10,000.

Técnica de Tratamiento (TT) Un proceso necesario destinado a reducir el nivel de un contaminante en el agua potable.

Partes Por Mil Millones (ug/L) Una parte por mil millones corresponde a un minuto en 2,000 años o un centavo en $10,000,000.

Partes Por Billón (ng/L) Una parte por billón corresponde a un minuto en dos millones de años o un centavo en $10,000,000,000.

Picocuries Por Litro (pCi/L) Una medida de la radiactividad en el agua.

Unidades de Turbidez Nefelométricas (NTU) Una medida de material suspendido en el agua.

Micromhos (µMHOS) Una medida de conductividad (corriente eléctrica) en el agua.

UCMR4 Cuarta Regla de Monitoreo de Contaminantes No Regulados

NL Nivel de notificación

ND No detectado en el límite de detección para la generación de informes

NS Sin estándar.

GPG Granos por galón de dureza (1 gpg = 17.1 mg/L).

LRAA Promedio Móvil Anual por Lugar

< Menos que los niveles detectables.

(a) Los resultados de todas las muestras recogidas del sistema de distribución durante cualquier mes estarán libres de coliformes totales en el 95% o más de las muestras mensuales. Este Informe de Confianza del Consumidor (CCR) refleja los cambios en los requisitos reglamentarios de agua potable durante 2016. Todos los sistemas de agua están obligados a cumplir con la Regla de Coliformes Totales del estado a partir del 1 de abril de 2016, todos los sistemas de agua también están obligados a cumplir con la Regla federal revisada de Coliformes Totales. La nueva norma federal mantiene el propósito de proteger la salud pública la integridad del sistema de distribución de agua potable y el monitoreo de la presencia de microbianos (p.ej., el total de bacterias coliformes y E. coli). La EPA estadounidense prevé una mayor protección de la salud mayor protección de la salud pública, ya que la nueva regla requiere sistemas de agua que sean vulnerables a la contaminación microbiana para identificar y solucionar problemas. Los sistemas de agua que exceden una frecuencia especificada de ocurrencias coliformes totales están obligados a realizar una evaluación para determinar si existen defectos sanitarios. Si se encuentran estos deben ser corregidos por el sistema de agua

Información regulatoria adicional

Fluoruro - La Junta Estatal de Control de Recursos Hidráulicos (Junta) ha establecido un nivel de fluoruro "óptimo" para el agua a 1 mg/L. Riverside tiene niveles naturales de fluoruro en 0.5 mg/L y no está planeando añadir fluoruro a su agua por medios artificiales.

Nitrato - El nitrato en agua potable a niveles superiores a 10 mg/L es un riesgo para la salud de los bebés de menos de seis meses de edad. Estos niveles de nitrato en el agua potable pueden interferir con la capacidad de la sangre de un bebé para transportar oxígeno, lo que resulta en una enfermedad grave; síntomas incluyen dificultad para respirar y color azulado de la piel. Los niveles de nitrato superiores a 10 mg/L también pueden afectar la capacidad de la sangre para transportar oxígeno en otros individuos, como las mujeres embarazadas y aquellos con ciertas deficiencias específicas de enzimas. Si usted está cuidando a un bebé o está embarazada, debería pedir consejo sobre los niveles de nitrato de su proveedor de atención médica.

Riverside proporciona agua potable que en promedio está en 5.6 mg/L y tiene un rango de 5.0 mg/L a 7.5 mg/L durante el año. La Junta del Estado ha fijado el MCL para nitrato en 10 mg/L. Riverside tiene 46 pozos que se mezclan para cumplir con las normas de agua potable. La ciudad lleva a cabo un amplio monitoreo de las operaciones de mezcla. La variación estacional de la demanda y el flujo, además del mantenimiento y reparación del sistema, afectan los niveles de nitrato durante el año.

Perclorato - El perclorato es un contaminante regulado del agua potable en California. El nivel máximo de contaminantes para el perclorato es de 6 partes por mil millones. Las sales de perclorato se utilizaron en propulsores de cohetes sólidos y otras aplicaciones industriales.

Turbidez - Una medida de la nubosidad del agua. La turbidez es un buen indicador de la eficacia de nuestro sistema de filtración.

Monitoreo de contaminantes no regulados

Esta supervisión ayuda a USEPA a determinar dónde se producen ciertos contaminantes y si es necesario regular los contaminantes. Los datos están disponibles en EPA.gov/dwucmr.

CONCIENCIA DE PLOMO

REGLA DE PLOMO Y COBRE

La **Regla de Plomo y Cobre (LCR)** fue desarrollada para proteger la salud pública y reducir la exposición al plomo y al cobre en el agua potable. La fuente más común de plomo y cobre en el agua potable es la corrosión de los materiales de plomería que pueden estar hechos con plomo y cobre como tuberías, soldaduras, fijaciones y grifos. Se requiere que los sistemas de agua monitoreen los niveles de plomo y cobre mediante la realización de muestreos en grifos de clientes seleccionados. El LCR requiere que el 90 por ciento de las muestras tomadas de los grifos de agua potable en los hogares del programa deben estar por debajo de los niveles de acción. Se requiere monitoreo cada 3 años.

En 2022, 51 viviendas participaron en el programa de monitoreo. No se detectó plomo en las muestras del percentil 90. El valor promedio indicado para el cobre es el resultado del percentil 90. Ninguna casa excedió el nivel de acción para el plomo o el cobre. El próximo programa de monitoreo está programado para 2025. Desde 2017-2019, RPU evaluó todas las escuelas requeridas según las regulaciones estatales.

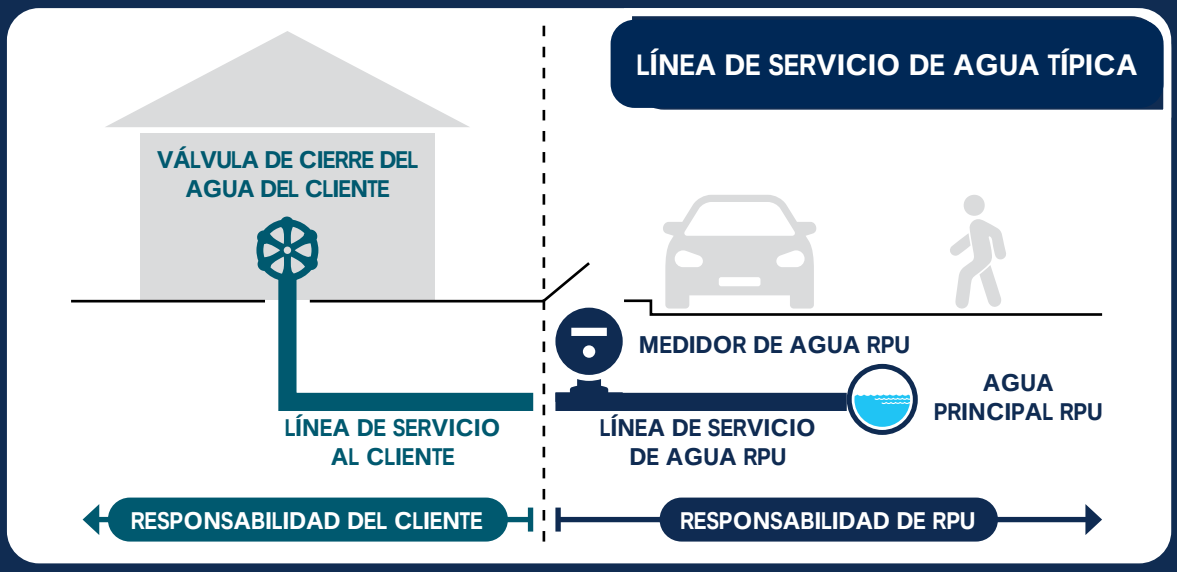
QUÉ SABER SOBRE EL PLOMO

El agua potable de Riverside Public Utilities no contiene plomo cuando sale de nuestras plantas de tratamiento. El riesgo de que el plomo entre en el agua proviene de conductos y tuberías dentro de su hogar o propiedad que están hechas de plomo.

LOS CLIENTES PUEDEN TENER UNA LÍNEA PRIVADA DE PLOMO

Si bien Riverside Public Utilities ha reemplazado todas sus líneas de servicio de plomo conocidas, las casas más antiguas (las que generalmente se construyeron antes de 1986) aún pueden tener una línea de plomo o galvanizada de propiedad privada. Estas líneas de servicio de propiedad privada se conectan a las líneas de agua de Riverside Public Utilities en el medidor de agua y son responsabilidad del cliente mantenerlas.

Las nuevas revisiones de las reglas de plomo y cobre (LCRR) requerirán que los sistemas de agua de la comunidad realicen un inventario de las líneas de servicio conectadas al sistema de distribución del sistema de agua, independientemente del estado de propiedad, para determinar los materiales de esas líneas. A medida que se emite una nueva guía para las LCRR, Riverside Public Utilities comenzará a recopilar el inventario de la línea de servicio para la parte privada de la línea de servicio de agua.



EL PLOMO Y SU SALUD

La siguiente información de salud es de la EPA. Si están presentes, los niveles elevados de plomo pueden causar problemas de salud graves, especialmente para las mujeres embarazadas y los niños pequeños. El plomo en el agua potable proviene principalmente de materiales y componentes asociados con las líneas de trabajo y la plomería del hogar.

Riverside Public Utilities es responsable de proporcionar agua potable de alta calidad, pero no puede controlar la variedad de materiales utilizados en los componentes de plomería.

Cuando su agua ha estado estancada durante varias horas, puede minimizar la posibilidad de exposición al plomo enjuagando el grifo durante 30 segundos a dos minutos antes de usar agua para beber o cocinar. Si le preocupa el plomo en su agua, es posible que desee que le hagan una prueba de agua. La información sobre el plomo en el agua potable, los métodos de prueba y los pasos que puede tomar para minimizar la exposición está disponible en la línea directa de agua potable segura, **(800) 426-4791** o en línea en **EPA.gov/Lead.**

Appendix E

McAlister GeoScience Statement of Qualifications



McAlister GeoScience

Eco Compliance Corporation

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

Environmental 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 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.

Stormwater Compliance

The Regional Water Quality Control Boards administer federal, and state regulations regarding water quality in California. Among these regulations are those that concern stormwater runoff and erosion from industrial and construction sites. Each site over an acre needs to have a Storm Water Pollution Prevention Plan prepared by a qualified SWPPP Developer and implemented by a Qualified SWPPP Professional. McAlister GeoScience provides these and other services to keep sites in compliance.

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; Idaho, 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**

McAlister GeoScience

800 5th Avenue, Suite 101-313
Seattle, WA 98104
(425) 271-5629

235 E. Broadway, Suite 1040
Long Beach, CA 90802
(562) 489-7908

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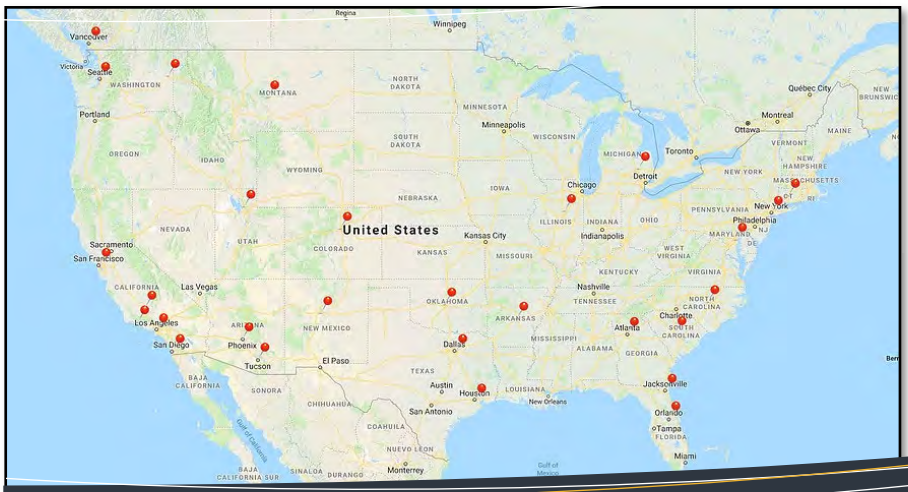
McAlister GeoScience



McAlister GeoScience has strong teaming ties in several metro areas including:

Los Angeles, California
San Diego, California
San Francisco, California
Bakersfield, California
Santa Barbara, California
Spokanne, Washington
Vancouver, Canada
Phoenix, Arizona
Tucson, Arizona
Seattle, Washington
New York City, New York

Salt Lake City, Utah
Denver, Colorado
Houston, Texas
Dallas, Texas
Oklahoma City, Oklahoma
Littlerock, Arkansas
Orlando, Florida
Jacksonville, Florida
Atlanta, Georgia
CT, IL, MD, MI, MO, NC, NM & SC



Stormwater Compliance

Storm Water Pollution Prevention Plan development and compliance for both construction and industrial sites. Interaction with the Regional Water Quality Control Board. Inspections, stormwater runoff sampling, and preparation and upload of reports to the state of California's SMARTS website. Preparation of Water Pollution Control Plans and Best Management Practice Plans for smaller sites, and communication with municipal and county agencies that approve these plans.

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.

Seattle, Washington | Long Beach, California
DirtyProperty.com

Environmental Site Investigation & Remediation | Agency Interaction | Asbestos | Lead | Mold | GeoTechnical Investigations



McAlister GeoScience

Environmental
Site Investigation and Remediation

Multiple, creative, and technically sound solutions for challenges facing property owners and property managers.

Project Description

Tank Removal and Closure - Arlington Municipal Airport

Background

March, 2022: McAlister GeoScience facilitated the excavation and removal of three (3) 10,000-gallon fuel tanks at the Arlington Municipal Airport. Following tank removal, a total of eighteen (18) soil samples were collected and submitted to the laboratory for analysis.





Results

Petroleum hydrocarbons and BTEX compounds were not detected above their respective laboratory reporting limits in the samples submitted for analysis. Three (3) 10,000-gallon fuel tanks at the Arlington Municipal Airport were transported offsite. McAlister GeoScience recommended no further action in regards to potential soil impacts associated with the presence of the USTs.



Project Description

Tank Removal and Closure – Paine Field Everett, Washington

Background

February, 2022: McAlister GeoScience facilitated the excavation and removal of impacted soil surrounding one 15,000-gallon aviation fuel underground storage tank (UST) at the Paine Field airport in Everett, Washington.

A total of seven (7) soil samples each consisting of soil samples packaged in four-ounce glass jars and one (1) water sample packaged in a 1-liter amber bottle were collected from the soil stockpile and various areas of the excavation. Soil samples were subsequently submitted to the laboratory for analysis.

Results

Concentrations of TPH Gasoline were not detected above the State of Washington Department of Ecology (DOE) Model Toxics Control Act (MTCA) Method A Unrestricted Land Use limit of 30 milligrams per kilogram of soil (mg/Kg) in the samples collected. TPH Gasoline was not detected in sample GW-1 above the laboratory reporting limit of 100 µ/L.

McAlister GeoScience worked with the DOE to obtain closure on the site and received a No Further Action (NFA) letter.

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Project Description

Industrial Property Redevelopment
Underground Storage Tank Removal
Vernon, California

Background

The Subject Property consists of approximately five acres of undeveloped land at 5001 Soto Street in the city of Vernon, California. The Subject Property is currently fenced on all sides with no existing structures or operations present. However, active grading was being conducted during the tank removal activities.

Following demolition activities and during the performance of grading activities, one underground storage tank was identified in the central-southwestern portion of the Subject Property.

The tank was found to be approximately 10,000 gallons in size. The tank was filled with poorly graded sub-angular fine sand. The presence of sand within the tank cavity indicates the tank was previously abandoned in-place and filled with sand slurry. The sand within the tank appeared to be predominantly clean with some isolated areas of hydrocarbon staining and hydrocarbon odors consistent with historic USTs that have been abandoned in place. The top of the tank was found approximately two feet below ground surface and with the estimated eight-foot diameter; a resulting total depth of the tank pit is estimated to be ten feet below existing ground surface.

Results

The tank was removed from the excavation, folded and cut into sections, and the resulting steel was combined with the existing on-site scrap metal stockpile for transportation to a recycler at the end of the grading project. At no time were torches or spark-producing tools utilized to manipulate the removed tank.

Two samples were collected from the base of the tank pit following removal of the tank. The tank was inspected upon removal and no indication of holes, cracks or other compromises to the integrity of the base of the tank were observed. The samples collected were analyzed for petroleum hydrocarbons and volatile organic compounds. All volatile organic compounds and petroleum hydrocarbon concentrations were below the respective screening levels.

Agency Interaction

The City of Vernon Fire Department and the City of Vernon Department of Health and Environmental Control oversaw all work and granted closure upon receipt of the McAlister GeoScience final tank removal report.



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Project Description

Emergency Response Management



Background

A fuel tanker was involved in a collision with a tractor-trailer releasing approximately 2,000 gallons of Jet Fuel into the storm drain system along California State Highway 5 approximately one mile south of the California State Highway 138 junction. Several areas of excavation were identified with an extensive vertical and lateral coverage area. McAlister GeoScience was subcontracted by the fuel tanker insurance company to manage the excavation operations, collect soil samples for laboratory analysis, and interface with agency officials.

Results

- A total of 2,014 tons (1,740 cubic yards) of soil was excavated and treated at the Soil Safe facility in Adelanto, California;
- The excavation was backfilled with clean fill and compacted. Cement slurry and rip rap were installed in accordance with DWR specifications in areas where surface water drainage occurs;
- A total of 27 confirmation soil samples were collected from the base and sidewalls of the excavation. None of the soil confirmation samples exceeded the agreed upon cleanup soil standards for TPH-Jet Fuel.

Conclusions

- Soil impacted by the Jet A release was successfully removed from the Site.
- Impacted soil was treated by thermal desorption at the Soil Safe facility in Adelanto, California and subsequently utilized as daily landfill cover at a local landfill.
- The Site has been restored to the original condition consisting of compacted backfill, cement slurry, and rip-rap as appropriate.





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Project Description

Phase II Site Assessment
Redondo Beach, California

Background

McAlister GeoScience was retained to conduct a Phase II Environmental Site Assessment (ESA) consisting of soil sampling for a property located in Redondo Beach California (the Subject Property).

The purpose of the soil sampling and analysis project was to document the nature and extent of potential soil impacts associated with the operation of the Subject Property as a furniture refinishing facility including the storage, use, and disposal of hazardous materials including paints, solvents, and wood stains.

McAlister GeoScience conducted a Phase I ESA prior to the performance of the Phase II ESA while the property was occupied by a furniture stripping and refinishing business. The Phase I ESA recommended comprehensive soil sampling at the Subject Property with analysis of the soil samples collected for volatile organic compounds (VOCs), total petroleum hydrocarbons, and metals associated with aqueous stripping compounds, varnishes, paints, and furniture finishing substances.

A total of seven soil samples were collected from each of the seven borings advanced in areas of hazardous material storage, use, and disposal at the Subject Property. Following sample collection, the borings were backfilled with native soil and surface patched with dry mix concrete to match the existing surface conditions. Samples were submitted to an analytical laboratory for analysis.

Results

Concentrations of VOCs and Total Petroleum Hydrocarbons were present in all seven soil samples collected above the laboratory detection limits in the areas of hazardous material storage, use, and disposal at the Subject Property. Boreholes were advanced to the depth of refusal ranging between six and eight feet below ground surface.

Volatile organic compounds with analytical detections above their respective EPA Region 9 Regional Screening Levels included Benzene, Methylene Chloride, Tetrachloroethylene (PCE), 1,2,4-Trimethylbenzene, 1,2,5-Trimethylbenzene, and Xylenes. The ground surface a the Subject Property is entirely covered with asphalt or concrete paving ruling out the risk of dermal contact or ingestion for personnel at the Subject Property. Volatile organic compounds present in soil present a potential vapor intrusion risk, depending on the permeability of the concrete or asphalt ground surface.

McAlister GeoScience recommended that if the property were to be converted to residential, sensitive receptor, or any land use other than commercial / industrial, the concentrations of VOCs, TPH, and Metals should be re-evaluated for the specific land use(s).

Based on the information gathered during the performance of this assessment, and the understanding of current regulatory guidelines and judgment, it was recommended that indoor air samples be collected once the current tenant ceases operations and removes the currently existing hazardous material storage, use, and disposal areas. The purpose of the indoor air sampling was to document that concentrations of VOCs present in soil underlying the structure do not create concentrations of VOCs in the air within the building above regulatory screening levels or OSHA exposure limits.



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Project Description

Industrial Property Redevelopment
RCRA-Contaminated Soil Removal
Vernon, California

Background

During the demolition and subsurface structure removal activities, the demolition contractor encountered a subsurface vault that contained oil-soaked soil as well as areas of oily metallic slag and burn pit ash materials. In June 2016, McAlister GeoScience was contacted to perform a site inspection and determine the proper environmental monitoring and profiling of the oily/ash slag materials as well as other potential environmental impact areas within the Subject Property. A profile sample was collected from the stockpile of the oily / ash slag material to determine if the material had any elevated containments above the local and state regulatory standards for industrial/commercial properties. The soil sample reported elevated concentrations of total petroleum hydrocarbons (TPH) and total lead.

Based on review of historical documents and the site inspection and monitoring efforts, a total of seven areas of concern (AOCs) were identified and managed as part of this remedial action. The seven AOCs were located in the central and eastern portion of the Subject Property.







Results

During the months of June and July 2016, McAlister GeoScience and managed the impacted soil excavation and removal actions at each of the seven AOCs identified with visible staining or elevated Photo-Ionization Detector (PID) readings. The removal actions included direct loading of impacted materials into 20-cubic yard (yd^3) roll-off bins. Once the impacted materials were removed and native material was visible and confirmed, a sample was collection from the excavation and analyzed for Total Petroleum Hydrocarbons (TPH) and total lead. The excavation areas were backfilled and compacted with overburden material from other areas of the site.

Total lead concentration in the removed soil identified at 1,364 milligrams per Kilogram. The sample was analyzed for soluble threshold limit concentration (STLC) and total threshold limit concentration (TTLC) to determine if the material would be classified as California Hazardous Waste or RCRA Hazardous Waste, respectively. The material was profiled as California hazardous waste and was manifested and transported to the U.S. Ecology facility in Beatty, Nevada. A total of 74 20-yd^3 roll-off bins were transported to U.S. Ecology's Beatty facility. A total of approximately 1,308 tons of impacted soils were removed from the Subject Property.

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Project Description

Marina del Rey Fuel Dock Groundwater Characterization Marina del Rey, California

Background

The Subject Property is located in a predominantly residential area of Marina Del Rey at the east end of Bora Bora Way. Five underground storage tanks (USTs) are located on the south side of the Subject Property beneath a concrete slab. Fuel is supplied to the dispensers via underground piping and piping suspended beneath the boat docks.

The Subject Property was originally developed as a fuel dock facility in the early to mid-1960s. A series of subsurface investigations and groundwater monitoring well installations were performed from 1991 to 1997. The original USTs were removed in 1994. Data from previous investigations indicates the groundwater in the vicinity of the current and former USTs was impacted by petroleum hydrocarbons and fuel oxygenates.

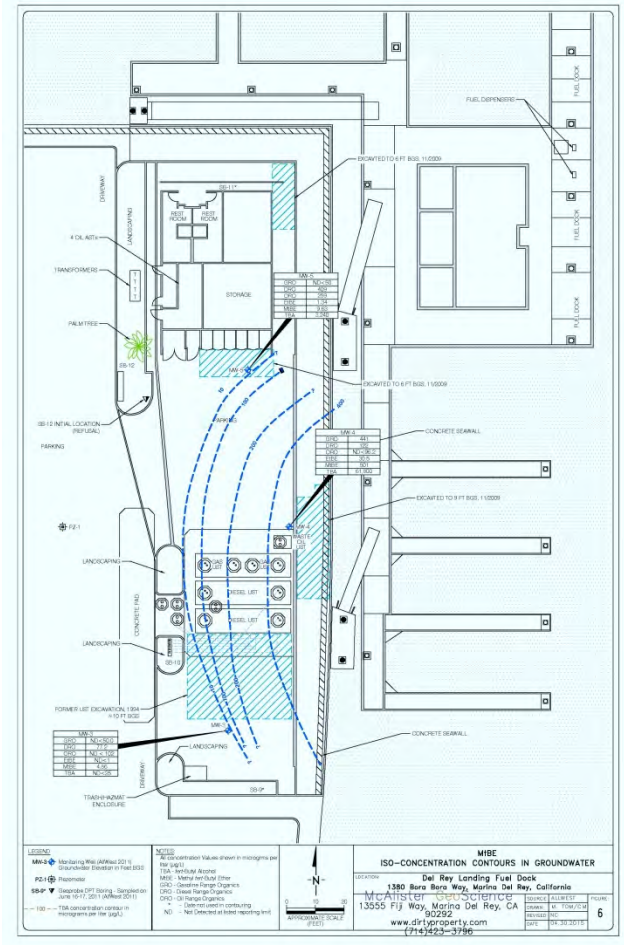
Investigation

McAlister GeoScience has been performing groundwater investigation and reporting activities since 2014. McAlister GeoScience has added monitoring for natural attenuation parameters, developed a Conceptual Site Model (CSM) and is gathering data toward closure of the site with the Los Angeles Regional Water Quality Control Board under their low-risk closure program.

Agency Interaction

McAlister GeoScience has developed a CSM and Remedial Action Plan (RAP) based on the results of a bench scale treatability study completed November 23, 2015. The study was designed to determine the oxidation rate of the contaminants TPHg and MtBE via *in situ* chemical oxidation (ISCO).

A pilot trial was proposed for application of ISCO at one injection point adjacent to monitoring well MW4. Following Pilot-Scale Application and two rounds of semi-annual groundwater monitoring, full scale ISCO application will be performed across the impacted zone at the site. It is anticipated that the Full-Scale Application will consist of injecting ISCO reagent in 10 to 15 points across the site to address elevated TPH, TBA and MtBE concentrations. The full-scale plan will be submitted to the Los Angeles Regional Water Quality Control Board for approval and in compliance with the approved permit requirements.



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Curriculum Vitae – David C. McAlister

Environmental Site Investigation and Remediation Professional

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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-two

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 – Zachary Gilmer, P.E.

Professional Civil & Environmental Engineer

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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

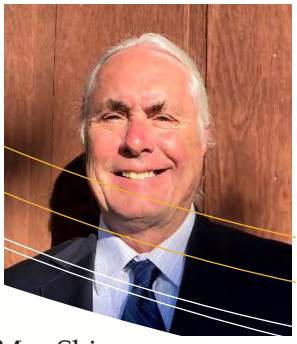
Selected Project Descriptions (Continued):

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

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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

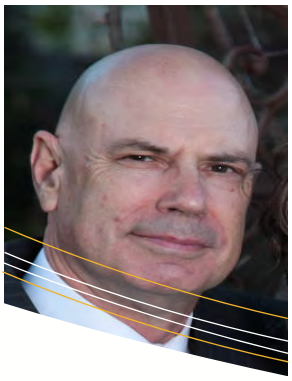
Selected Project Descriptions (Continued):

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 – Mark Spute, MBA, PMP

Environmental Site Investigation and Remediation Professional

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dirtyproperty.com

Mr. Spute is an experienced and detail-oriented Property Condition Assessor who has assessed over 3.38 million square feet of property in 2017 and over 2.07 million square feet in 2016. Mr. Spute has experience with a broad array of property types, foreign and domestic, for leading public and private sector companies.

Selected Project Descriptions:

Brookfield Global Integrated Services – Assessed an 895,503 square foot medical research laboratory, seven 4 to 9 story buildings with 3 level underground parking structures on 7 acres. Determined corrective actions and cost estimates for associated defect conditions and provided written reports about the general condition of all building systems. Conducted site assessments on more than 90 facilities and identified deficient conditions in a wide variety of building types and site locations. Was a senior property assessor on a team managing a portfolio of over 800 retail and commercial bank facilities for TD Bank. Additionally, peer reviewed reports by other assessors.

Partner Engineering & Science – Performed Property Condition Assessments on a portfolio of 14 properties for the Catholic Archdiocese of Los Angeles. Approximately 84 buildings, 500,000+ square feet and 40+ acres of property. Additionally, performed Property Condition Assessments on retail, restaurant, shopping malls, business and industrial parks, and multi-family apartment complexes.

AEI – Performed Property Condition Assessments and construction monitoring on multi-family apartment complexes, office and industrial complexes, 100+ bed skilled nursing facilities and residential nursing homes as well as medical office buildings.

EMG – Performed Property Condition Assessments on skilled nursing facilities having more than 80 beds.

Education:

B.S., Physics. Brigham Young University. Provo, Utah

MBA. Westminster College. Salt Lake City, Utah

Specialized Training:

Certificates of Completion in Property Condition Assessment and Environmental Due Diligence through NEEDDA

ASTM-2018-15 Refresher

Certified Project Management Professional through Project Management Institute

Years of Experience:

Seven



Curriculum Vitae –
Dr. John R. Hoaglund, III, Ph.D.

Groundwater Modeler / Aqueous Geochemist / Hydrogeologist

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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.

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.

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Curriculum Vitae –
Joseph Landeros, GIT

Environmental Site Investigation and Remediation Professional

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Long Beach, California
90802

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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

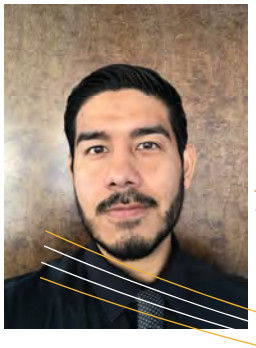
Curriculum Vitae – Joseph Landeros, GIT

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

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Mr. Ramos is experienced in geological field techniques, structural geology, geochemistry and hydrology. He has proven to work well under-pressure and is a certified Geologist-In-Training. Mr. Ramos has years of experience conducting Phase I, Phase II, and Property Condition Assessment due diligence for clients.

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
Completed Phase II Site Investigations at several sites in Southern 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. Ramos completed Phase II Investigations of these properties including advancing boreholes, collecting soil/ groundwater samples, submitting samples to a state certified laboratory and compiling the Phase II report with conclusion and recommendations.

Property Condition Assessments – Various Clients & Sites in California
Completed Due Diligence Property Condition Assessments at several sites in California and Texas. 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

Geologist-In-Training, State of California Board for Professional Engineers, Land Surveyors, and Geologists

National Radon Proficiency Program (NRPP) Certification

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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)

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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.

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	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	Y / N N / A					PER STATUTE / OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ $ $
A	Professional Liability Contractors Pollution			CSIEL00288	2/10/2024	2/10/2025	Each Claim/Occur 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)

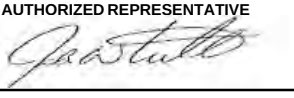
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