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PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

J90
APN 3203-034-004
Lancaster, California 93536

Report Date
May 19, 2023

Partner Project No.
23-403689.3

Client Reference Number: PO J90-02

Prepared for:
Terra-Gen, LLC
11512 El Camino Real
San Diego, California 92130


Building Science


Environmental Consulting


Construction & Development


Energy & Sustainability

PARTNER

May 19, 2023

Mr. Ken Wagner
Terra-Gen, LLC
11512 El Camino Real
San Diego, California 92130

Subject: Phase I Environmental Site Assessment
J90
APN 3203-034-004
Lancaster, California 93536
Partner Project No. 23-403689.3
Client Reference Number: PO J90-02

Dear Mr. Wagner:

Partner Engineering and Science, Inc. (Partner) is pleased to provide this Phase I Environmental Site Assessment (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Client Agreement.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate your trust in Partner and the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (619) 925-9672.

Sincerely,

DRAFT

Mark Lambson
Principal

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM E1527-21, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Terra-Gen, LLC for the property located at APN 3203-034-004 in Lancaster, Los Angeles County, California (the "subject property"). The Phase I Environmental Site Assessment is designed to provide Terra-Gen, LLC with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

Property Description

The subject property is located on the south side of West J Avenue between West 90th street and West 100th Street within a undeveloped, residential and industrial area of Los Angeles County. Please refer to the table below for a further description of the subject property:

Subject Property Data	
Address(es):	APN 3203-034-004, Lancaster, California
Property Use:	Vacant land
Land Acreage (Ac):	9.73 Ac
Number of Buildings:	None identified
Parcel Number:	3203-034-004
Current Tenants:	None identified
Site Assessment Performed By:	Brooklynn Marcus of Partner
Site Assessment Conducted On:	April 12, 2023
Regulatory Radius Report Date:	May 11, 2023
Lien Search Date:	N/A
Report Date:	May 19, 2023
FOIAs Date:	May 2023

The subject property is currently vacant land. Due to the vacant nature of the property, no onsite operations currently occur.

According to available historical sources, the subject property was formerly agricultural land as early as 1928; and vacant land since 1987. The subject property has remained vacant since that time.

The adjoining properties are tabulated below:

Adjoining Properties	
North:	West J Avenue beyond which is Vacant Land (APNs: 3218-002-006, 3218-002-007)
East:	Vacant Land (APN: 3203-034-005)
Southeast:	Vacant Land (APN: 3203-034-815)
West:	South California Edison Substation (9634 West J Avenue)

According to and United States Geological Survey, the physical setting features of the subject property identify the terrain as sloping to the north-northwest with the depth to groundwater in the vicinity of the subject property inferred to be approximately 250 to 300 feet below ground surface (bgs) and groundwater flow inferred to be toward the north-northwest.

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any HRECs during the course of this assessment.

Business Environmental Risk

A *Business Environmental Risks (BER)* is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Partner did not identify any BERs during the course of this assessment.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-21 of APN 3203-034-004 in Lancaster, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs, CRECs, HRECs, or BERs in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

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1.0 INTRODUCTION

Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at APN 3203-034-004 in Lancaster, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-21) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the User to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "landowner liability protections," or "LLPs"). ASTM Standard E1527-21 constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

1.2 Scope of Work

The scope of work for this ESA is in accordance with and to the extent necessary to achieve the goal of the requirements set forth in the ASTM Standard E1527-21. This assessment included: 1) a property and adjoining site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments to obtain readily ascertainable information to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched readily available information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-21, AULs include both legal (that is, institutional) and physical (that is, engineering) controls that may include legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, or surface water on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on a property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

1.3 Limitations

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, 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 other warranties are implied or expressed.

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 report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the compliance and safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

1.4 User Reliance

Terra-Gen, LLC engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Terra-Gen, LLC. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

1.5 Limiting Conditions

The findings and conclusions contain all the limitations inherent in these methodologies that are referred to in ASTM E1527-21.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Interviews with past or current owners, operators and occupants were not reasonably ascertainable and thus constitute a data gap. Based on information obtained from other historical sources, this data gap is not expected to alter the findings of this assessment.
- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of the AAI User Questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was unable to determine the property use at five-year intervals, which constitutes a data gap. Information concerning historical use of the subject property was unavailable from 1978 to 1987. Partner reviewed all standard historical sources and conducted appropriate interviews. Based on information obtained from other historical sources (as discussed in Section 3.0), this data gap is not expected to alter the findings of this assessment.
- Partner submitted a Freedom of Information Act (FOIA) request to the Lancaster Building Department for information pertaining to hazardous substances, underground storage tanks, releases, inspection records, etc. for the subject property and/or adjoining properties. As of this writing, this agency has not responded to Partner's request. Based on information obtained from other historical resources, this limitation is not expected to alter the overall findings of this assessment.

2.0 SITE DESCRIPTION

2.1 Site Location and Legal Description

APN 3203-034-004 California According to the Los Angeles County Assessor, the subject property is legally described as E 1/2 OF E 1/2 OF N 40 ACS OF THAT PART (EX OF ST) OF NE 1/4 LYING W OF W LINE OF E 1155 FT OF NE 1/4 OF SEC 19 T 7N R 13W. Ownership is currently vested in Sevilla Peter and Caridad TRS Sevilla Family Trust

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

2.2 Current Property Use

The subject property is currently vacant land. Due to the vacant nature of the property, no onsite operations currently occur.

The subject property is designated for RR-2.5 for rural residential development by the City of Lancaster development by the City of Lancaster.

The subject property was not identified in the regulatory database report of Section 4.2.

2.3 Current Use of Adjoining Properties

The subject property is located within an undeveloped, residential and industrial area of Los Angeles County. During the vicinity reconnaissance, Partner observed the land uses on adjoining properties as defined in ASTM E1527-21 as any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them. The adjoining properties are tabulated below:

Adjoining Properties	
North:	West J Avenue beyond which is Vacant Land (APNs: 3218-002-006, 3218-002-007)
East:	Vacant Land (APN: 3203-034-005)
Southeast:	Vacant Land (APN: 3203-034-815)
West:	South California Edison Substation (9634 West J Avenue)

The adjoining property to the west was identified as an Aboveground Storage Tanks (AST), California Environmental Reporting System (CERS) Tanks (CERS TANK), Los Angeles County- Certified Unified Program Agency Program Records (CUPA LA COUNTY), Toxic Pollutant Emissions Facilities (EMISSIONS), Historical Hazardous Substance Storage Information Database (HHSS), Historical Hazardous Substance Storage Container Information- Facility Summary (HIST TANK), Los Angeles County- Hazardous Materials System List (HMS LA), Resource Conservation and Recovery Act Non-Generator (RCRA NON-GEN), and Statewide Environmental Evaluation and Planning System (UST SWEEPS) site in the regulatory database report of Section 4.2.

2.4 Physical Setting Sources

2.4.1 Topography

The 2021 United States Geological Survey (USGS) Del Sur, California Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 2,440 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently towards the north-northwest.

A copy of the most recent topographic map is included as Figure 3 of this report.

2.4.2 Hydrology

While under natural and undisturbed conditions shallow groundwater flow most frequently follows the topography of the land surface, natural or man-made features can affect flow direction, and the presumed flow may not match the actual flow directions at the subject property and vicinity. suggests the direction of groundwater flow in the vicinity of the subject property is inferred to be toward the north-northwest.

According to United States Geological Survey, the depth to groundwater in the vicinity of the subject property is inferred to be approximately 250 to 300 feet bgs.

The nearest surface water in the vicinity of the subject property is the Johnson Siphon water canal located approximately 2.10 miles and southwest of the subject property.

According to available information, a public water system operated by the California Water Service serves the subject property vicinity. The sources of public water for the City of Lancaster are surface water and groundwater from aquifers by wells located throughout our service area and purchased surface water obtained by the Antelope Valley-East Kern Water Agency (AVEK) from the State Water Project in northern California.

2.4.3 Geology/Soils

The subject property is situated within the Antelope Valley at the western edge of the Mojave Desert. The Antelope Valley consists of Tertiary and Quaternary alluvial deposits originating from the adjacent mountains. The area is on a Quaternary alluvial deposit, described as consolidate, dark-yellowish-brown, silty, fine arkosic sand with clay and calcium carbonate deposits (caliche). The carbonate was likely deposited during fluctuating groundwater conditions in former pluvial Lake Thompson that was present in the area during the late Pleistocene epoch. Sedimentary deposits are generally distal fan sediments near the edges of the former lake shoreline. The Antelope Valley is bounded to the south by the San Andreas Fault zone and the San Gabriel Mountains; to the northwest by the Garlock Fault zone and Tehachapi mountains; and to the east by hills, ridges, and buttes. Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Greenfield sandy loam. The Greenfield series consists of very deep, well drained, very slowly permeable soils. These soils consist of sandy loam and stratified loamy sand formed on alluvial fans and terraces. Slopes range from 0 to 9 percent.

2.4.4 Flood Zone Information

Partner performed a review of the Flood Insurance Rate Map, published by the Federal Emergency Management Agency. According to Community Panel Number 06037C0400F, dated September 26, 2008, the subject property appears to be located in Zone X (unshaded); defined as minimal risk areas outside the 1-percent and 0.2-percent-annual-chance floodplains.

A copy of the reviewed flood map is included in Appendix B of this report.

3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

Historical Use Information		
Years	**Resource**	**Description/Use**
1928-1978	Aerial Photographs, Topographic Maps	Agricultural Land
1987-Present	Aerial Photographs, Topographic Maps	Vacant Land

No current and/or historical occupants were identified for the subject property.

The subject property parcel was historically used for agricultural purposes. There is the potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. Given the nature of dryland-type farming, lack of significant agricultural operations (orchards, row crops etc.), and the lack of observed agricultural related structures present on the subject property parcels, Partner concludes that the potential former use of agricultural chemicals is not expected to represent a significant environmental concern at this time. However, if redevelopment of the subject property is planned for residential use, the owner/user of the report should contact the local planning department to determine whether sampling relating to the former agricultural use of the subject property is required. No current and/or historical occupants were identified for the subject property.

3.1 Aerial Photograph Review

Partner obtained available aerial photographs of the subject property and surrounding area from Environmental Risk Information Services (ERIS) on March 27, 2023. The inferred uses of the subject property and adjoining properties as interpreted from the aerial photographs in Appendix B are tabulated below:

Date:	***1928***	***Scale:***	***1"=500'***
Subject Property:	Appears to be agricultural land		
North:	Appears to be vacant land across West J Avenue		
East:	Appears to be vacant land		
Southeast:	Appears to be agricultural land		
West:	Appears to be agricultural land		

Date:	***1948***	***Scale:***	***1"=500'***
Subject Property:	No significant changes visible		
North:	Appears to be developed with one residential structure across West J Avenue		
East:	Appears to be developed with one single-family residential development		
Southeast:	No significant changes visible		
West:	Appears to be agricultural land and developed with a portion of the current Southern California Edison Substation		

Date:	***1956, 1959, 1963, 1968, 1974, 1978***	***Scale:***	***1"=500'***
Subject Property:	No significant changes visible		
North:	No significant changes visible		
East:	No significant changes visible		

Date:	1956, 1959, 1963, 1968, 1974, 1978	Scale:	1"=500'
Southeast:	No significant changes visible		
West:	No significant changes visible		

Date:	1987, 1989	Scale:	1"=500'
Subject Property:	Appears to be vacant land		
North:	No significant changes visible		
East:	Appears to be vacant land, No significant changes visible		
Southeast:	Appears to be vacant land		
West:	Appears to be vacant land and developed with a portion of the current Southern California Edison Substation		

Date:	1994, 2002, 2004, 2008	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	Appears to be vacant land across West J Avenue		
East:	No significant changes visible		
Southeast:	No significant changes visible		
West:	No significant changes visible		

Date:	2012, 2014, 2016, 2018, 2021	Scale:	1"=500'
Subject Property:	No significant changes visible		
North:	No significant changes visible		
East:	No significant changes visible		
Southeast:	No significant changes visible		
West:	Appears to be developed with the current Southern California Edison Substation		

Copies of reviewed aerial photographs are included in Appendix B of this report.

3.2 Fire Insurance Maps

Partner reviewed the collection of Fire insurance maps (FIMS) from ERIS on March 25, 2023. FIM coverage was not available for the subject property.

A copy of the no coverage documentation is included in Appendix B of this report.

3.3 City Directories

Partner reviewed historical city directories obtained from ERIS on March 31, 2023, for past names and businesses that were listed for the subject property and adjoining properties. Due to the lack of physical addresses and/or permanent structures identified on the subject property parcels, city directories were not identified for the subject property and vicinity.

Copies of reviewed city directories are included in Appendix B of this report.

3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from ERIS on May 25, 2023. The following inferred uses of the subject property and adjoining properties interpreted from topographic maps in Appendix B and are tabulated below:

Date:	1931, 1932, 1936, 1937
Subject Property:	Depicted with no structural development
North:	Depicted with one small structure across West J Avenue
East:	Depicted with no structural development
Southeast:	Depicted with no structural development
West:	Depicted with no structural development

Date:	1958, 1974
Subject Property:	No significant changes visible
North:	No significant changes visible
East:	No significant changes visible
Southeast:	No significant changes visible
West:	Depicted with the Antelope Substation facility and associated structures

Date:	1995
Subject Property:	No significant changes visible
North:	Depicted with no structural development across West J Avenue
East:	No significant changes visible
West:	Depicted with the Antelope Substation facility and vacant land

Date:	2015, 2018, 2021
Subject Property:	Development, with the exception of roadways, is not depicted on these maps
North:	Development, with the exception of roadways, is not depicted on these maps
East:	Development, with the exception of roadways, is not depicted on these maps
Southeast:	Development, with the exception of roadways, is not depicted on these maps
West:	Development, with the exception of roadways, is not depicted on these maps

Copies of reviewed topographic maps are included in Appendix B of this report.

4.0 REGULATORY RECORDS REVIEW

4.1 Regulatory Agencies

4.1.1 State Department

Regulatory Agency Data	
Name of Agency:	California Environmental Protection Agency (Cal/EPA)
Point of Contact:	https://siteportal.calepa.ca.gov/nsite/map/help
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(916) 323-2514
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the Cal/EPA.	

4.1.2 Health Department

Regulatory Agency Data	
Name of Agency:	Los Angeles County Department of Public Health (LACDPH)
Point of Contact:	http://publichealth.lacounty.gov/phi/admin.htm
Agency Address:	313 North Figueroa Street, Los Angeles, California 90012
Agency Phone Number:	(213) 240-7785
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LACDPH.	

4.1.3 Fire Department

Regulatory Agency Data	
Name of Agency:	Los Angeles County Fire Department (LACoFD)
Point of Contact:	https://fire.lacounty.gov/public-records-requests/
Agency Address:	1320 North Eastern Avenue Los Angeles, California 90063
Agency Phone Number:	(323) 881-2411
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the LACoFD.	

4.1.4 Building Department

Regulatory Agency Data	
Name of Agency:	Lancaster Building and Safety Department (LBSD)
Point of Contact:	https://www.cityoflancasterca.org/our-city/departments-services/city-clerk/request-for-public-records
Agency Address:	44933 North Fern Avenue, Lancaster, California 93534
Agency Phone Number:	(661) 723-6144
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: As of the date of this report, Partner has not received a response from the LBSD for inclusion in this report.	

4.1.5 Planning Department

Regulatory Agency Data	
Name of Agency:	Lancaster Planning and Zoning Department & North Antelope Valley Zoning Department
Point of Contact:	https://lacounty.maps.arcgis.com/apps/webappviewer
Agency Address:	44933 Fern Avenue, Lancaster, California 93534
Agency Phone Number:	(661) 723-6100
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: According to reviewed online documents, the subject property is zoned RR-2.5 for rural residential development by the City of Lancaster	

4.1.6 Oil & Gas Exploration

Regulatory Agency Data	
Name of Agency:	California Geologic Energy Management Division (CalGEM)
Point of Contact:	https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx
Agency Address:	801 K Street, MS 24-01, Sacramento, California
Agency Phone Number:	(916) 322-1080
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: According to CalGEM, no oil or gas wells are located on or adjoining to the subject property.	

4.1.7 Assessor's Office

Regulatory Agency Data	
Name of Agency:	Los Angeles County Assessor (LACA)
Point of Contact:	https://assessor.lacounty.gov/
Agency Address:	500 West Temple Street, Los Angeles, California
Agency Phone Number:	(213) 974-3211
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: According to records reviewed, the subject property is identified by Assessor Parcel Number (APN) 3203-034-004. No records regarding property ownership, building or utility information for the subject property was on file with the LACA.	

4.1.8 Air Pollution Control Agency

Regulatory Agency Data	
Name of Agency:	South Coast Air Quality Management District (AQMD)
Point of Contact:	http://www.aqmd.gov/nav/FIND
Agency Address:	21865 Copley Drive, Diamond Bar, California 91765
Agency Phone Number:	(909) 396-2000
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No Permits to Operate (PTO), Notices of Violation (NOV), or Notices to Comply (NTC) or the presence of AULs, dry cleaning machines, or USTs were on file for the subject property with the AQMD.	

4.1.9 Regional Water Quality Agency

Regulatory Agency Data	
Name of Agency:	Regional Water Quality Control Board (RWQCB)
Point of Contact:	https://geotracker.waterboards.ca.gov/
Agency Address:	320 West 4th Street, Los Angeles, California 90013
Agency Phone Number:	(213) 576-6600
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the RWQCB.	

4.1.10 Department of Toxic Substances Control

Regulatory Agency Data	
Name of Agency:	California Department of Toxic Substances Control (DTSC)
Point of Contact:	http://www.envirostor.dtsc.ca.gov/public/ http://hwts.dtsc.ca.gov
Agency Address:	1001 I Street, Sacramento, California 95814
Agency Phone Number:	(800) 618-6942
Date of Contact:	May 11, 2023
Method of Communication:	Online
Summary of Communication: No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the DTSC. The EnviroStor database is the DTSC's data management system for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reason to investigate further. No records were identified for the subject property address on the EnviroStor database.	

Copies of pertinent documents are included in Appendix B of this report.

4.2 Mapped Database Records Search

The regulatory database report provided by ERIS documents the listing of sites identified on federal, state, county, city, and tribal (when applicable) standard source environmental databases within the approximate minimum search distance (AMSD) specified by ASTM E1527-21. The data from these sources are updated as these data are released and integrated into one database. The information contained in this report was compiled from publicly available sources.

The environmental database information is used to identify environmental concerns in connection with the subject property. The listings also serve to identify the known indications of the storage, use, generation, disposal, or release of hazardous substance at the subject property and the potential for contaminants to migrate onto the subject property from off-site sources in groundwater or soil in the form of liquids or vapor.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

4.2.1 Regulatory Database Summary

The following table lists the sites as categorized by the regulatory database within the prescribed AMSD. The locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

Database Report Data				
Database	**AMSD Radius (mile)**	**Listings Identified**		
		Subject Property	**Adjoining Properties**	**Surrounding Area Sites of Concern**
Federal NPL	1.00	N	N	N
Delisted NPL Site	0.50	N	N	N
Federal SEMS Site	0.50	N	N	N
Federal SEMS-ARCHIVE	0.50	N	N	N

Database Report Data				
Database	AMSD Radius (mile)	Listings Identified		
		Subject Property	Adjoining Properties	Surrounding Area Sites of Concern
Federal RCRA CORRACTS Facility	1.00	N	N	N
Federal RCRA TSDF Facility	0.50	N	N	N
Federal RCRA Generators Site (LQG, SQG, VSQG, CESQG)	Subject and Adjoining	N	**Y**	N
Federal IC/EC Registries	Subject Property	N	N	N
Federal ERNS Site	Subject Property	N	N	N
State/Tribal Equivalent NPL	1.00	N	N	N
State/Tribal Equivalent CERCLIS	1.00	N	N	N
State/Tribal Landfill/Solid Waste Disposal Site	0.50	N	N	N
State/Tribal Leaking Storage Tank Site (LUST/LPST)	0.50	N	N	N
State/Tribal Registered Storage Tank Sites (UST/AST)	Subject and Adjoining	N	**Y**	N
State/Tribal IC/EC Registries	Subject and Adjoining	N	N	N
State/Tribal Voluntary Cleanup Sites (VCP)	0.50	N	N	N
State/Tribal Spills	0.25	N	N	N
Federal Brownfield Sites	0.50	N	N	N
State Brownfield Sites	0.50	N	N	N
Other State and Local Databases	Varies	N	**Y**	N

4.2.2 Subject Property Listings

The subject property is not identified in the regulatory database report.

4.2.3 Adjoining Property Listings

The adjoining properties are not identified in the regulatory database report.

Adjoining Property Database Listing	
Property Name:	SCE Antelope Substation
Address:	9634 W AVENUE J
Direction:	West
Hydrological Gradient:	Up-Gradient
Database Listing:	AST, CERS TANK, CUPA LA COUNTY, EMISSIONS, HHSS, HIST TANK, HMS LA, RCRA NON-GEN, and UST SWEEPS

Substance Involved:	Not Reported
Years of Operation:	April 11, 2008 (RCRA NON-GEN); 2011-2020 (EMISSIONS)
Status:	Not Reported (RCRA NON-GEN, CUPA LA COUNTY, CERS TANK)
Discussion:	According to information obtained from the regulatory database report, the western adjoining property was identified as a permitted AST site for a 3,703-gallon tank. Additionally, a 2,000-gallon gasoline UST was identified on the property, that was reportedly installed in 1972 and active until at least 1989. The tank was reportedly removed from the property. The property was identified on various databases associated with hazardous waste generation and storage under EI ID: 10190025. Routine inspections were conducted from 2016 to 2021, and no violations were found. This site qualified as an RCRA NON-GEN site under the EPA Handler ID: CAL000331602 in 2008. As of January 2023, no Compliance Monitoring and Enforcement (violation) records are associated with this facility. The property was also identified on the EMISSIONS database from 2011 to 2020. Based on the lack of documented releases and violations, the regulatory oversight/status, and the removal of the UST on the property, these listings are not expected to represent a significant environmental concern.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.4 Surrounding Area Listings of Concern to Subject Property

No sites of concern are identified in the regulatory database report. Listed sites within the specified search radius of the subject property which appeared on local, State, or Federally published lists of sites that have had releases of hazardous substances, have been granted regulatory closure, were determined to be of sufficient distance, and/or are situated hydrologically cross- or down-gradient such that impact to the subject property is unlikely.

Based on the findings, vapor migration is not expected to represent a significant environmental concern at this time.

4.2.5 Unplottable Listings

No unplottable listings of concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-21, Partner requested the following site information from Terra-Gen, LLC (User of this report).

User Responsibilities		
Item	**Provided By User**	**Not Provided By User**
AAI User Questionnaire		X
Title Records, Environmental Liens, and AULs		X
Specialized Knowledge		X
Actual Knowledge		X
Valuation Reduction for Environmental Issues		X
Identification of Key Site Manager		X
Reason for Performing Phase 1 ESA	X	
Prior Environmental Reports		X
Other		X

5.1 Interviews

5.1.1 Interview with Owner

The owner of the subject property, identified as Sevilla Peter and Caridad TRS Sevilla Family Trust, was not available to be interviewed at the time of the assessment.

5.1.2 Interview with Report User

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. The lack of this information is not considered to represent a significant data gap.

5.1.3 Interview with Key Site Manager

A key site manager was not provided to be interviewed at the time of this assessment.

5.1.4 Interviews with Past Owners, Operators and Occupants

Interviews with past owners, operators, and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

5.2 User Provided Information

5.2.1 Title Records, Environmental Liens, and AULs

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

5.2.2 Specialized Knowledge

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

5.2.3 Actual Knowledge of the User

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

5.2.4 Valuation Reduction for Environmental Issues

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

5.2.5 Commonly Known or Reasonably Ascertainable Information

The User did not provide information that is commonly known or reasonably ascertainable within the local community about the subject property at the time of the assessment.

5.2.6 Previous Reports and Other Provided Documentation

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

6.0 SITE RECONNAISSANCE

The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

Site Assessment Data	
Site Assessment Performed By:	Brooklynn Marcus
Site Assessment Conducted On:	April 12, 2023

Partner was unaccompanied during the site reconnaissance.

No potential environmental concerns were identified during the onsite reconnaissance.

6.1 General Site Characteristics

6.1.1 Solid Waste Disposal

Solid waste is not currently generated onsite. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

6.1.2 Sewage Discharge and Disposal

No wastewater treatment facilities were observed or reported on the subject property. No septic systems were observed or reported on the subject property.

6.1.3 Stormwater and Surface Water Drainage

Stormwater is removed from the property primarily due to ground infiltration. No drywells were identified on the subject property.

6.1.4 Source of Heating and Cooling

Based on the lack of onsite structures, no heating or cooling sources were observed onsite. Based on the lack of onsite structures, no heating or cooling sources were observed onsite.

6.1.5 Wells and Cisterns

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

6.1.6 Wastewater

Domestic wastewater is not generated at the subject property. No industrial processes are currently performed at the subject property.

6.1.7 Septic Systems

No septic systems were observed or reported on the subject property.

6.1.8 Additional Site Observations

No additional general site characteristics were observed during the site reconnaissance.

6.2 Potential Environmental Hazards

6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

6.2.3 Evidence of Releases

No spills, stains, or other indications that a surficial release has occurred at the subject property were observed.

6.2.4 Polychlorinated Biphenyls (PCBs)

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property during Partner's reconnaissance.

6.2.5 Strong, Pungent or Noxious Odors

No strong, pungent or noxious odors were evident during the site reconnaissance.

6.2.6 Pools of Liquid

No pools of liquid were observed on the subject property during the site reconnaissance.

6.2.7 Drains, Sumps and Clarifiers

No drains, sumps, or clarifiers, other than those associated with storm water removal, were observed on the subject property during the site reconnaissance.

6.2.8 Pits, Ponds and Lagoons

No pits, ponds, or lagoons were observed on the subject property.

6.2.9 Stressed Vegetation

No stressed vegetation was observed on the subject property.

6.2.10 Additional Potential Environmental Hazards

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

6.3 Non-ASTM Services

6.3.1 Asbestos-Containing Materials (ACMs)

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building that have not been appropriately tested are "presumed asbestos-containing material" (PACM).

Based on the lack of onsite structures, ACMs were not considered within the scope of this assessment.

6.3.2 Lead-Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm2 (or 5,000 µg/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X," to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018

of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

Due to the commercial nature of use of the subject property, LBP was not considered within the scope of this assessment.

6.3.3 Radon

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

EPA Radon Zones		
EPA Zones	**Average Predicted Radon Levels**	**Potential**
Zone 1	Exceed 4.0 pCi/L	Highest
Zone 2	Between 2.0 and 4.0 pCi/L	Moderate
Zone 3	Less than 2.0 pCi/L	Low

It is important to note that the EPA has found homes with elevated levels of radon in all three zones, and the US EPA recommends site-specific testing in order to determine radon levels at a specific location. However, the map does give a valuable indication of the propensity of radon gas accumulation in structures.

Review of the US EPA Map of Radon Zones places the subject property in Zone 2. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

6.3.4 Lead in Drinking Water

According to available information, a public water system operated by the California Water Service serves the subject property vicinity. The sources of public water for the City of Lancaster are surface water and groundwater from aquifers by wells located throughout our service area and purchased surface water obtained by the Antelope Valley-East Kern Water Agency (AVEK) from the State Water Project in northern California. According to the 2021 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

6.3.5 Mold

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g.in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

Based on the lack of onsite structures, water damage and mold growth were not considered within the scope of this assessment.

6.3.6 Wetlands

The subject property does not appear to be a designated wetland area based on information obtained from the United States Fish and Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property.

6.4 Adjoining Property Reconnaissance

The adjoining property reconnaissance consisted of observing the adjoining properties from the subject property premises. No items of environmental concern were identified on the adjoining properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of

releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

7.0 VAPOR ENCROACHMENT CONDITIONS

Partner conducted a limited non-intrusive vapor screening on the subject property to identify, to the extent feasible, the potential for vapor encroachment conditions (VECs) in connection with the subject property. This included consideration of chemicals of concern (COC) that may migrate as vapors into the subsurface of the subject property as a result of contaminated soil and groundwater on or near the property.

This screening utilized readily available data sources previously discussed in this Phase I ESA that includes:

- the physical setting of the subject property (Section 2.4),
- standard historical sources for the subject property, adjoining, and surrounding area (Section 3.0),
- known or potentially contaminated sites as identified from information from regulatory agencies and sites on Federal, State, tribal and local databases (Section 4.0), and
- information from the site reconnaissance (Section 6.0) of the subject property and observations of the surrounding properties.

The results of our data collection, reconnaissance, and analysis are tabulated below:

Potential for Vapor Encroachment to Impact the Subject Property	
Area of Concern	***Likely or Known VEC to Subject Property***
Subject Property Existing Operations or Conditions	None identified that impact the subject property. Refer to Sections 2.0 Site Description and 6.0 Site Reconnaissance and discussion below.
Historical Uses of the Subject Property	None identified that impact the subject property. Refer to Section 3.0 Historical Use and discussion below.
Adjoining Property Operations or Existing Conditions	None identified that impact the subject property. Refer to Sections 2.3 Current Use of Adjoining Properties and 6.4 Adjoining Property Site Reconnaissance and discussion below.
Historical Uses of Adjoining Properties or Nearby Properties	None identified that impact the subject property. Refer to Section 3.0 Historical Use and discussion below.
Regulatory Review of sites identified on Federal, State, tribal and Local Environmental Databases which were located in the AMSD	None identified that impact the subject property. Refer to Section 4.0 Regulatory Review and discussion below.

Based on the findings of the limited non-intrusive vapor screening, vapor intrusion is unlikely to be an issue of concern in connection with the subject property. As such, no further assessment is recommended.

8.0 FINDINGS AND CONCLUSIONS

Findings and Opinions

Recognized Environmental Condition

A recognized environmental condition (REC) refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

Controlled Recognized Environmental Condition

A controlled recognized environmental condition (CREC) refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any CRECs during the course of this assessment.

Historical Recognized Environmental Condition

A historical recognized environmental condition (HREC) refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any HRECs during the course of this assessment.

Business Environmental Risk

A *Business Environmental Risks (BER)* is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice. The following was identified during the course of this assessment:

- Partner did not identify any BERs during the course of this assessment.

Significant Data Gaps

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-21 of APN 3203-034-004 in Lancaster, Los Angeles County, California (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs, CRECs, HRECs, or BERs in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Partner has performed a Phase I Environmental Site Assessment of the property located at APN 3203-034-004 in Lancaster, Los Angeles County, California in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

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

Prepared By:

DRAFT

Brooklynn Marcus
Environmental Scientist

Reviewed By:

DRAFT

Laura Mohlenkamp
Project Manager

10.0 REFERENCES

Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-21

Environmental Risk Information Services (ERIS), Database Report, May 2023

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via the internet, May 2023

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, May 2023

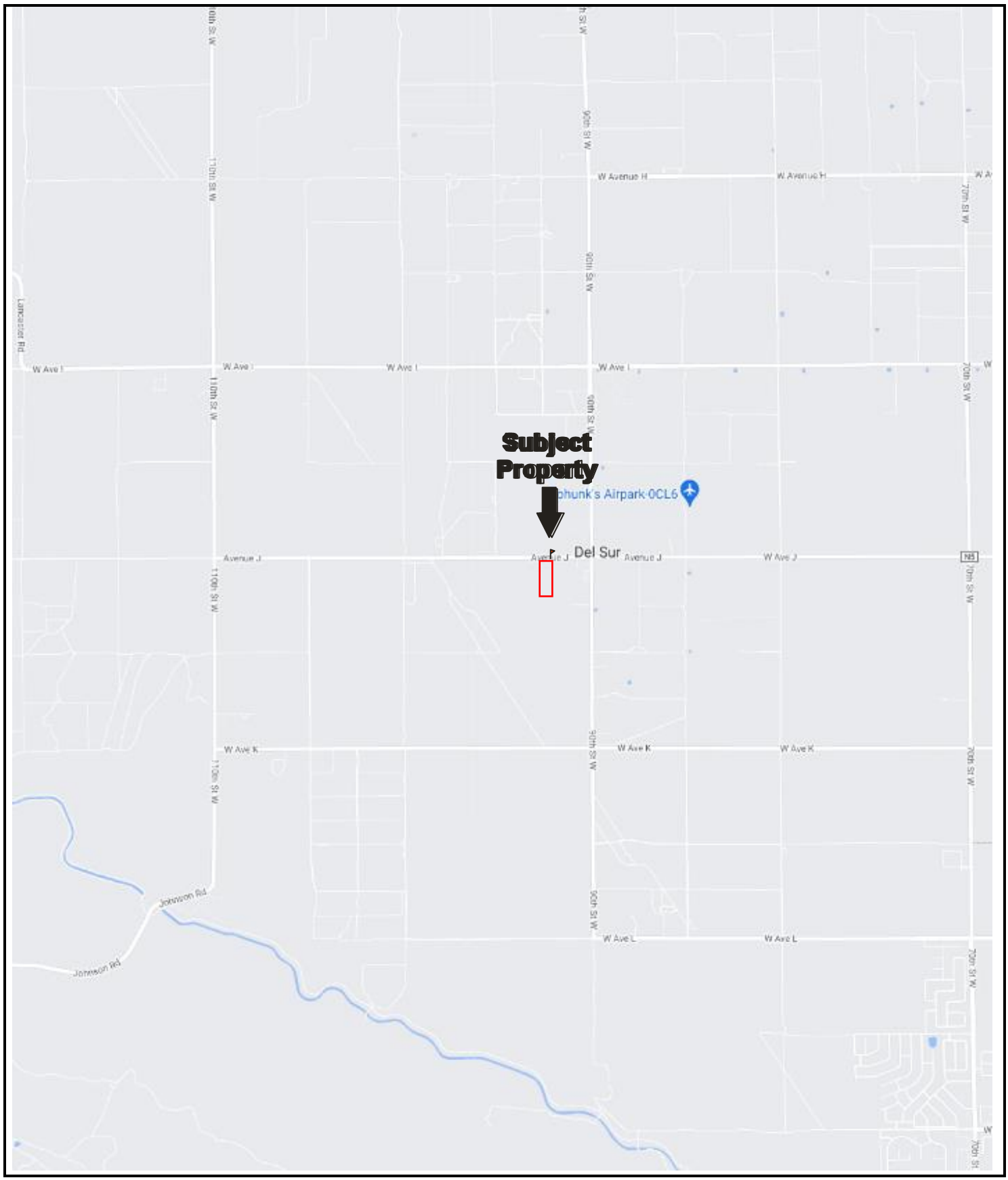
United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, May 2023

United States Fish and Wildlife Service, National Wetlands Inventory, accessed via the internet, May 2023

United States Geological Survey, accessed via the internet, May 2023

United States Geological Survey Topographic Map Del Sur, California, 7.5-minute series, accessed via the internet, May 2023

FIGURES



N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 23-403689.3

PARTNER

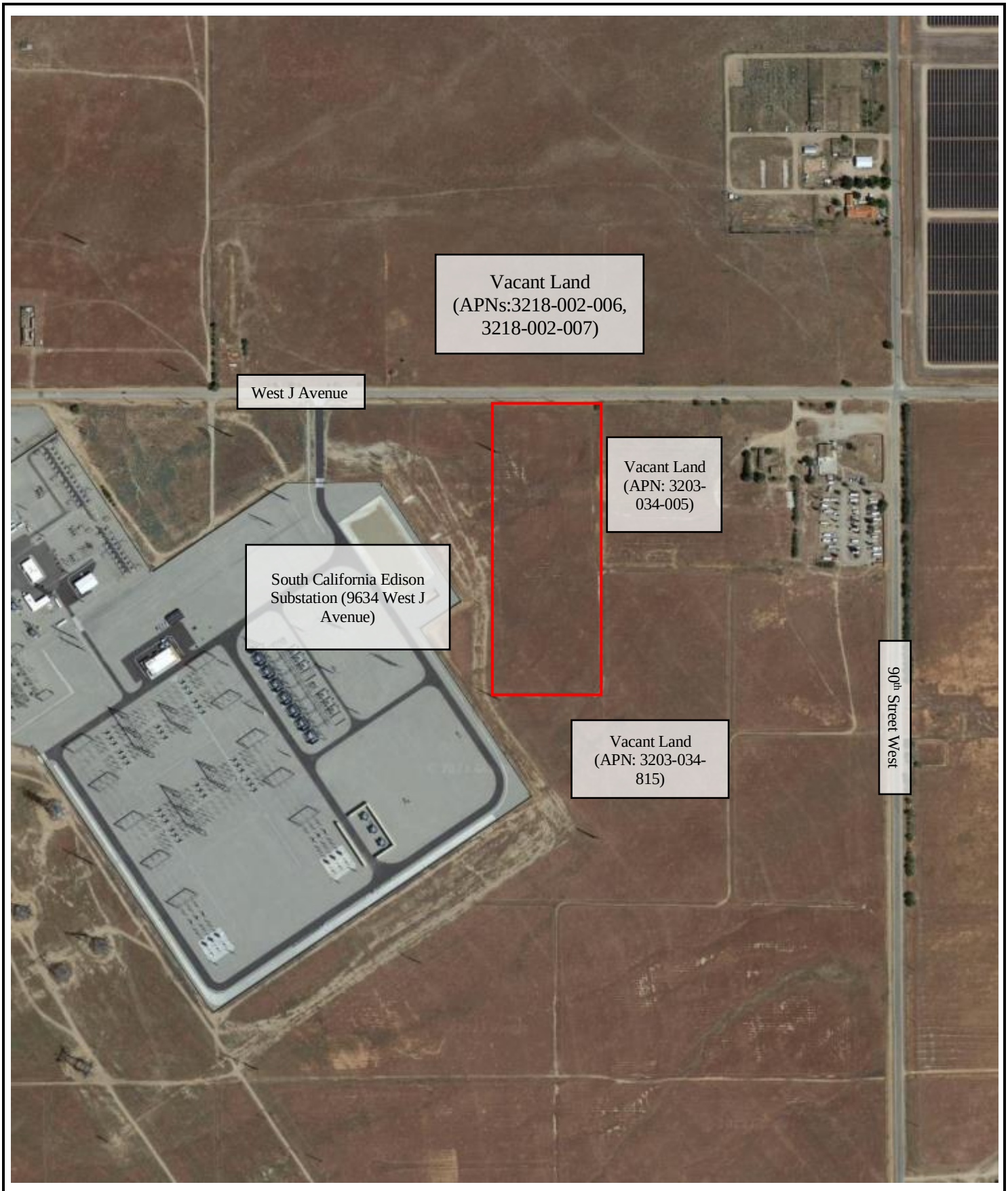
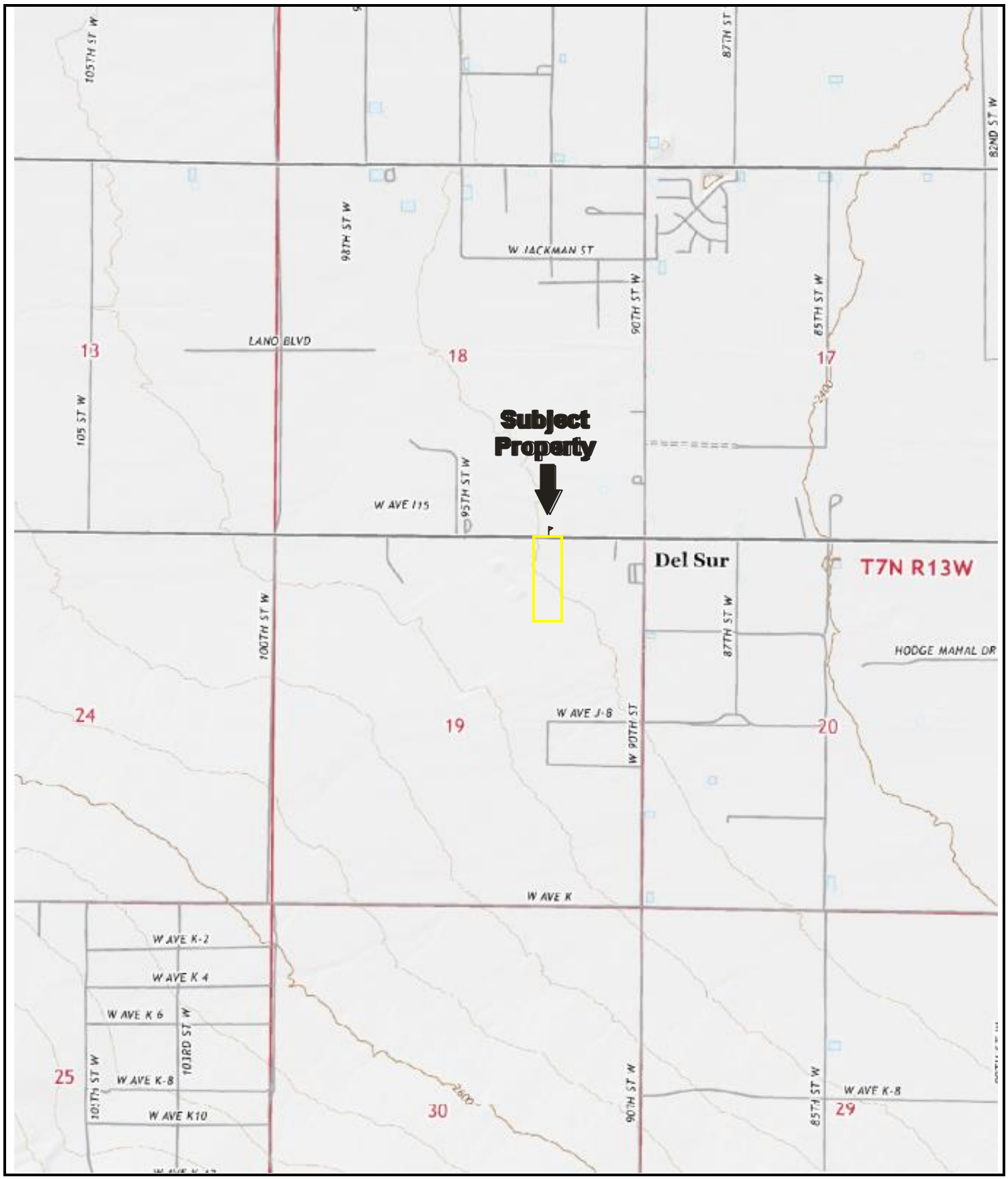


FIGURE 2: SITE PLAN
Project No. 23-403689.3

PARTNER



N

USGS 7.5-Minute *Del Sur, California* Quadrangle
Created: 2015/Revised: 2021

KEY:
Subject Property

FIGURE 3: TOPOGRAPHIC MAP
Project No. 23-403689.3

PARTNER

APPENDIX A: SITE PHOTOGRAPHS

1. View of subject property

2. View of subject property

3. View of subject property

4. View of subject property

5. View of subject property

6. View of subject property

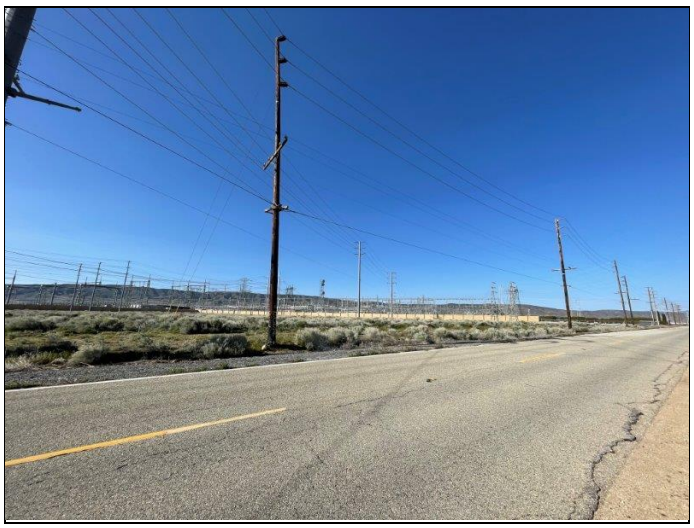
7. View of subject property

8. View of subject property

9. View of subject property

10. View of subject property

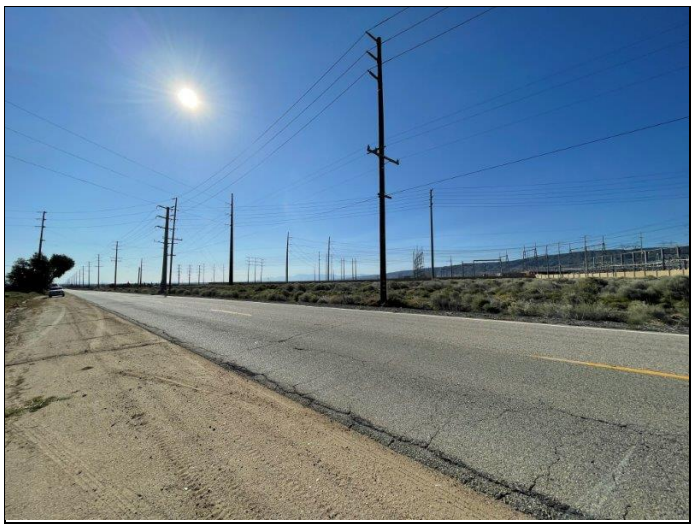
11. View of subject property



12. View of subject property

13. View of subject property

14. View of subject property



15. View of subject property

16. View of subject property

17. View of subject property

18. View of subject property

19. View of northern adjoining properties

20. View of northern adjoining properties

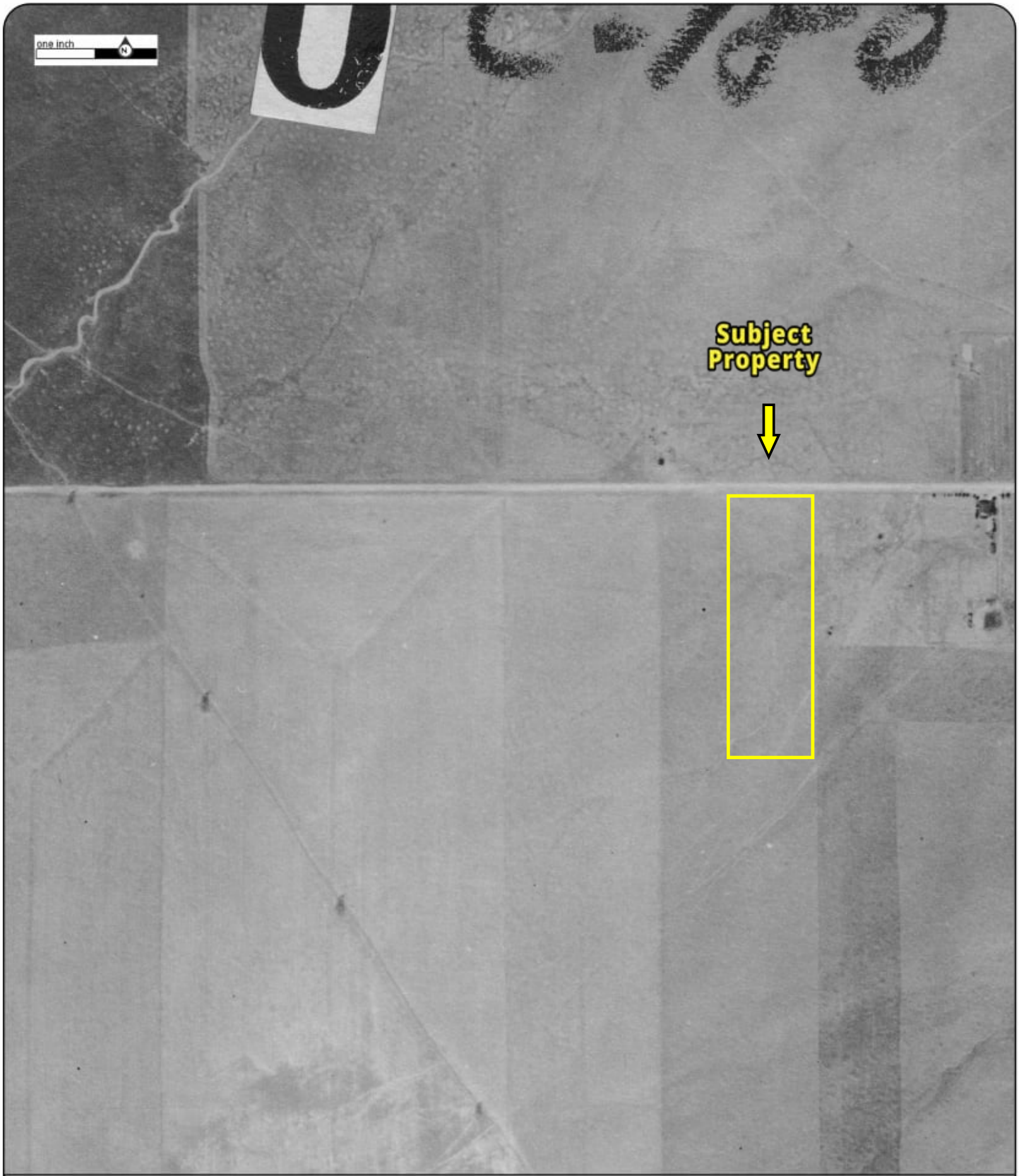
21. View of eastern adjoining properties

22. View of western adjoining property

23. View of western adjoining property

24. View of southeastern adjoining property

APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION



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PARTNER

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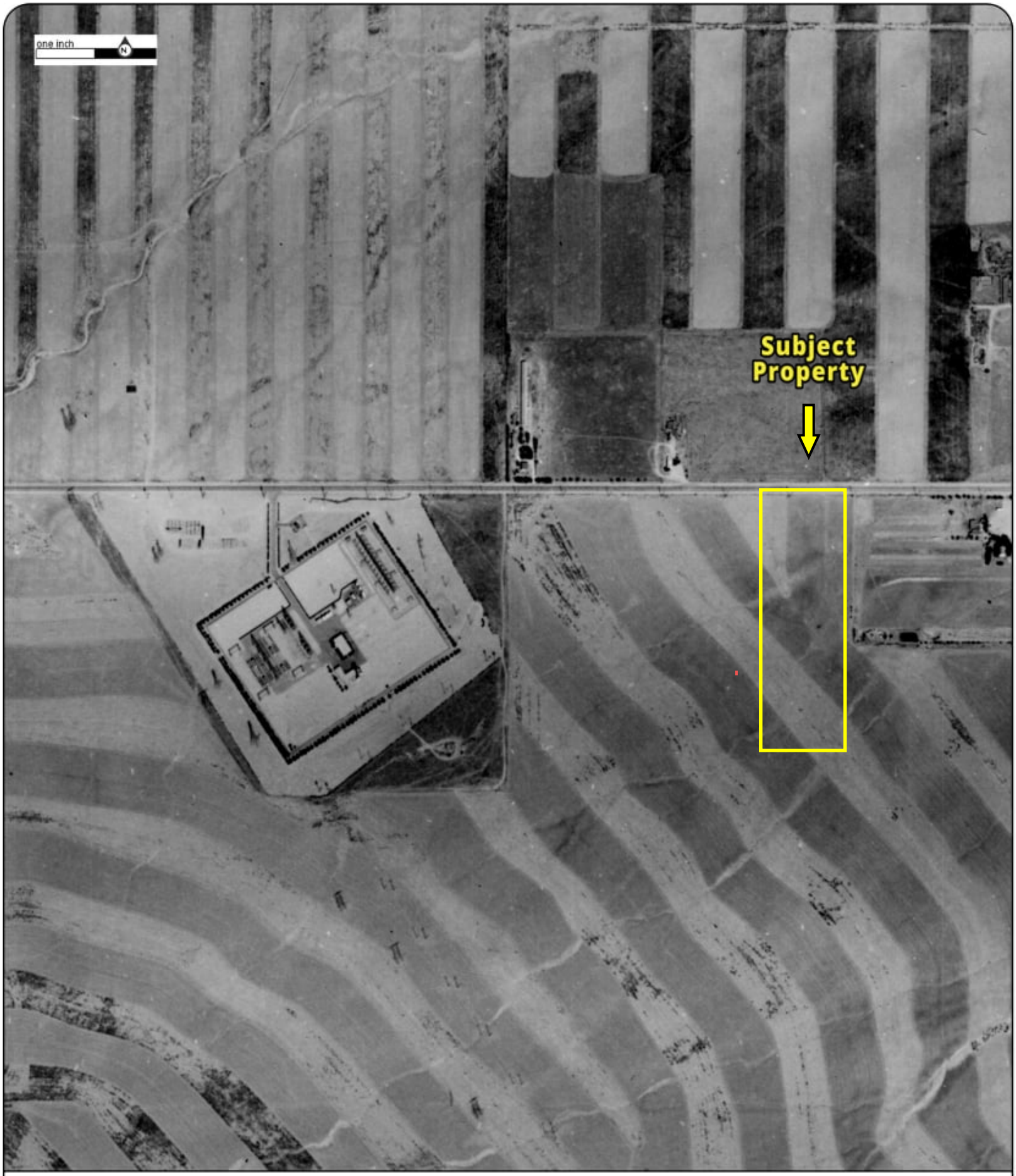

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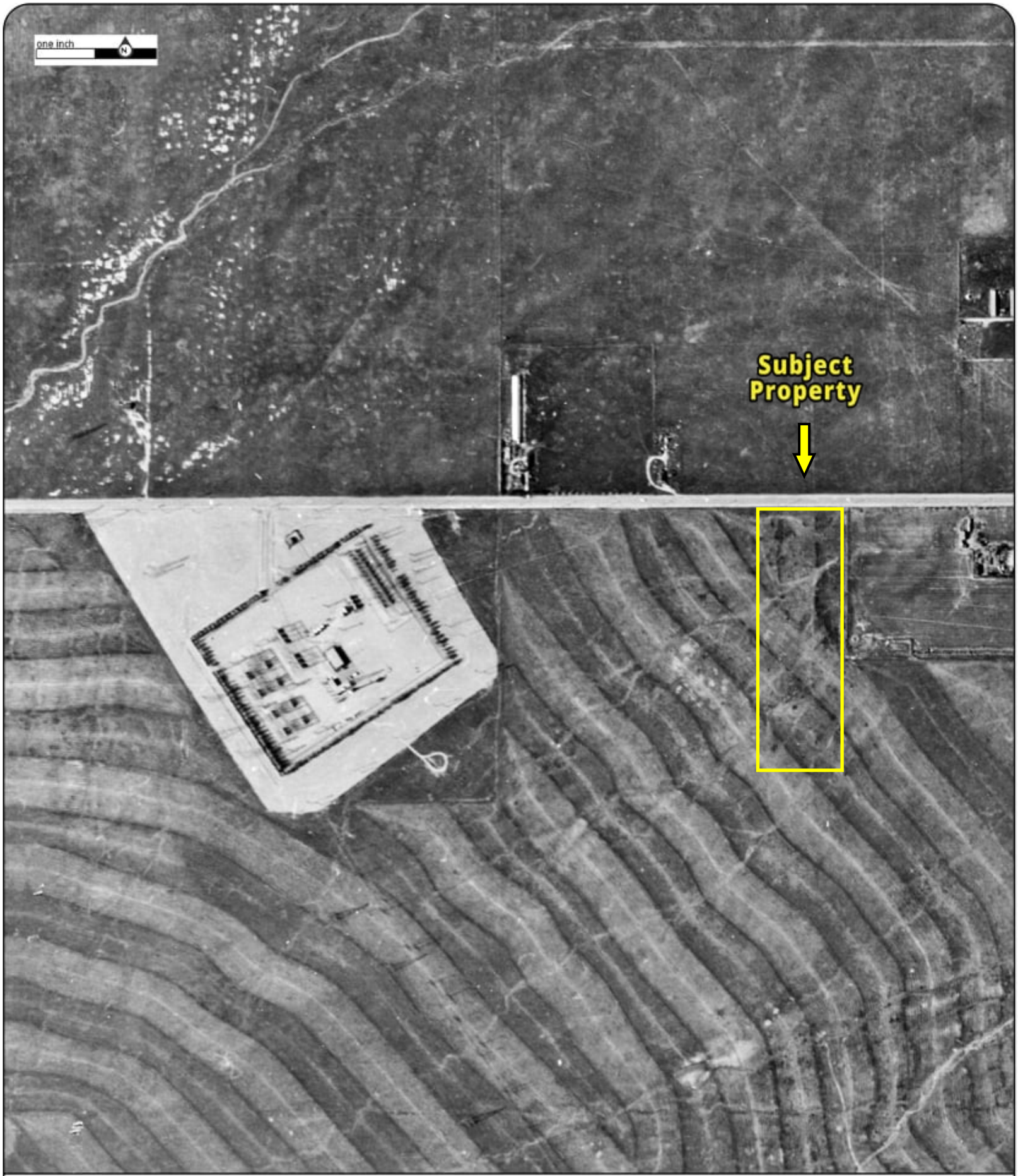
PARTNER



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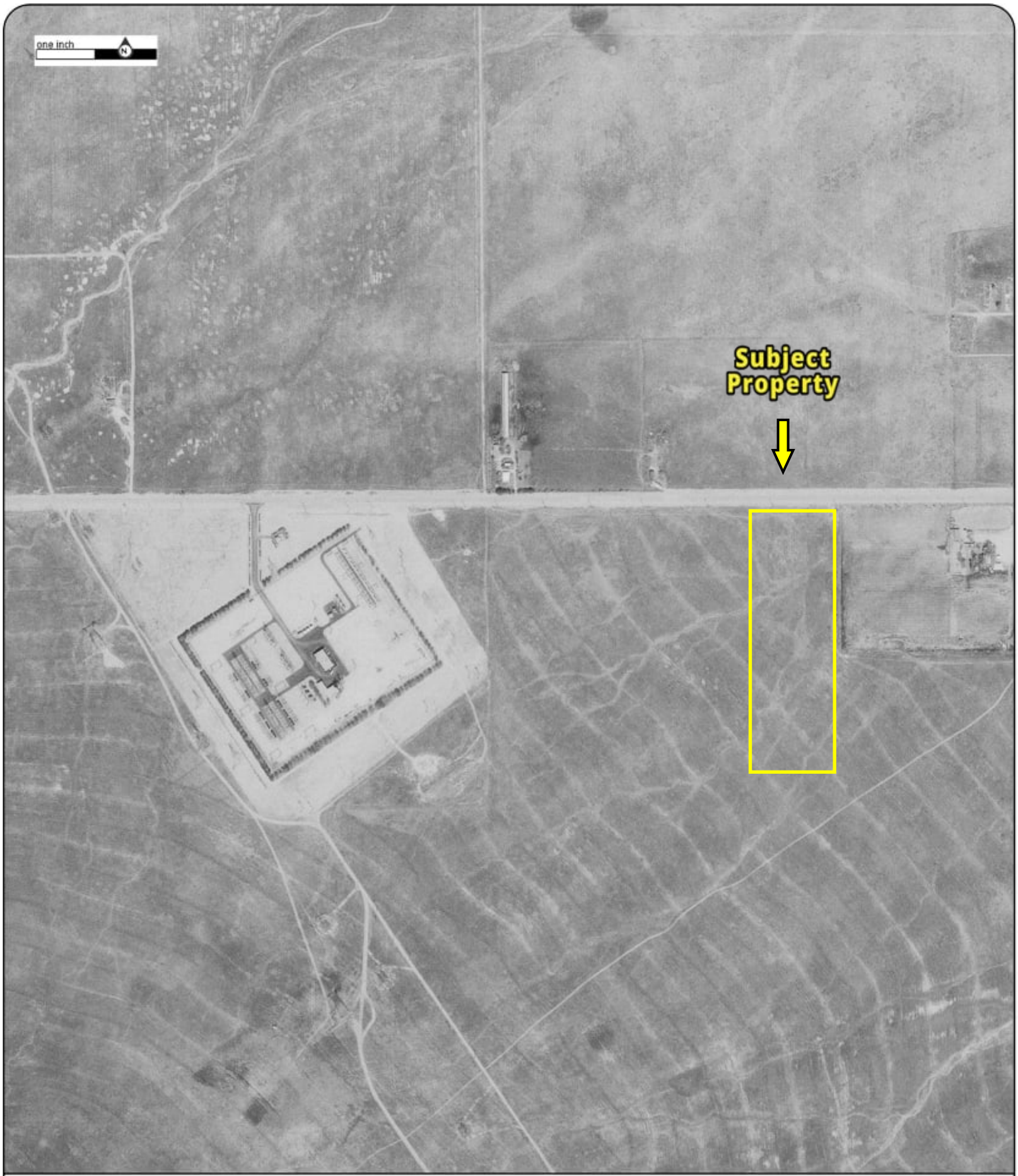

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PARTNER

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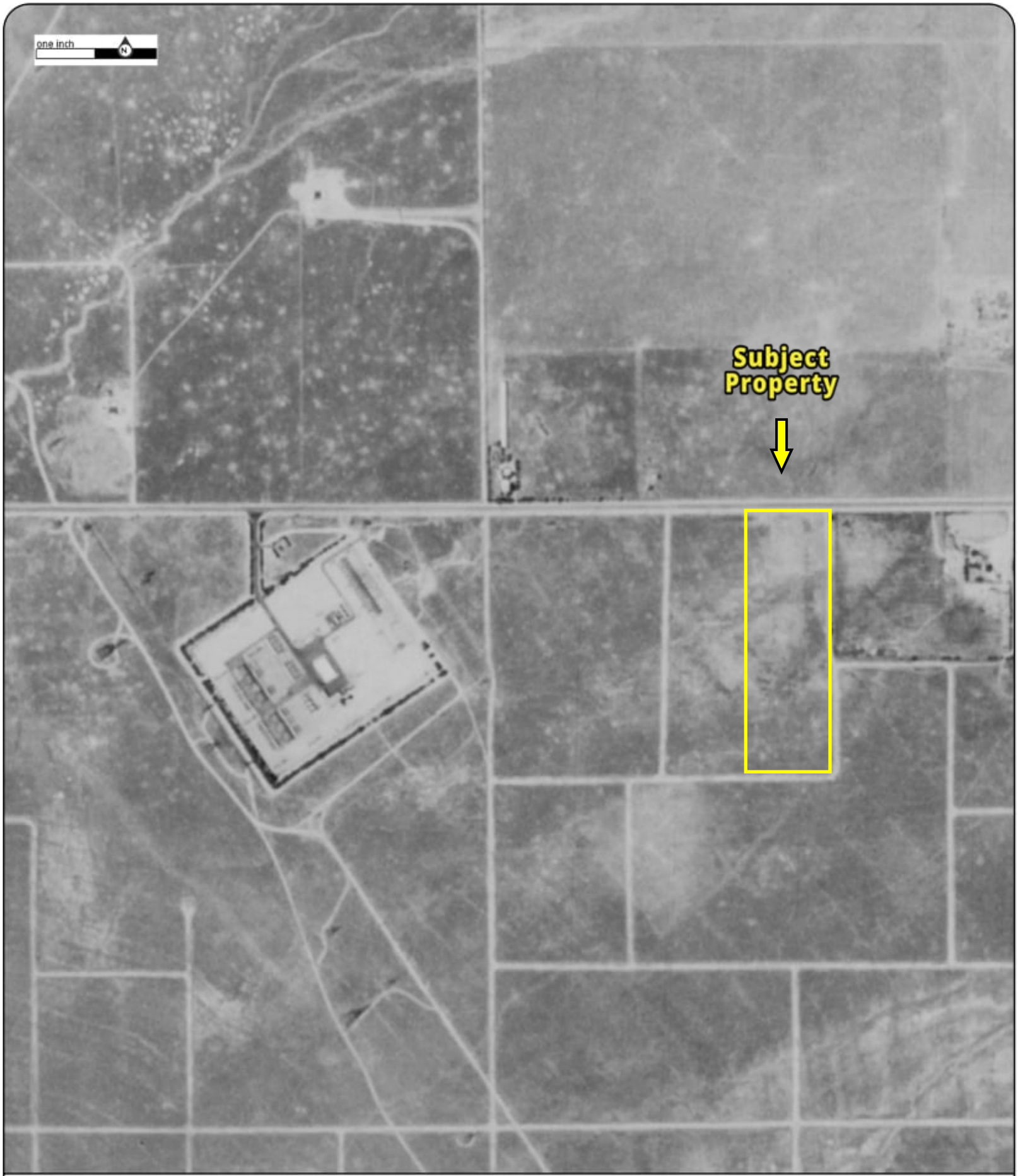
Order No: 23032400338

PARTNER



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PARTNER

Year: 1989
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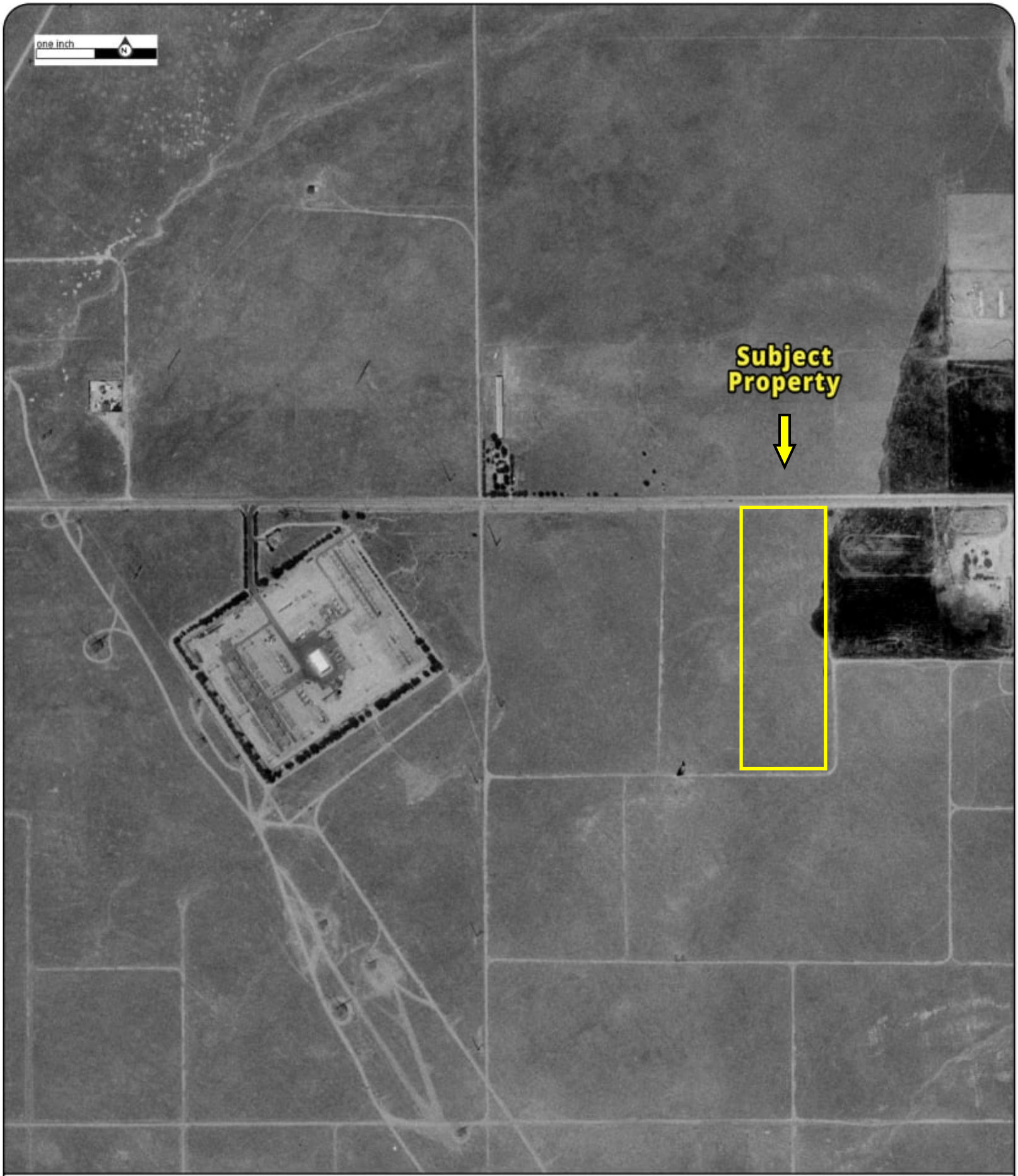
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER



Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

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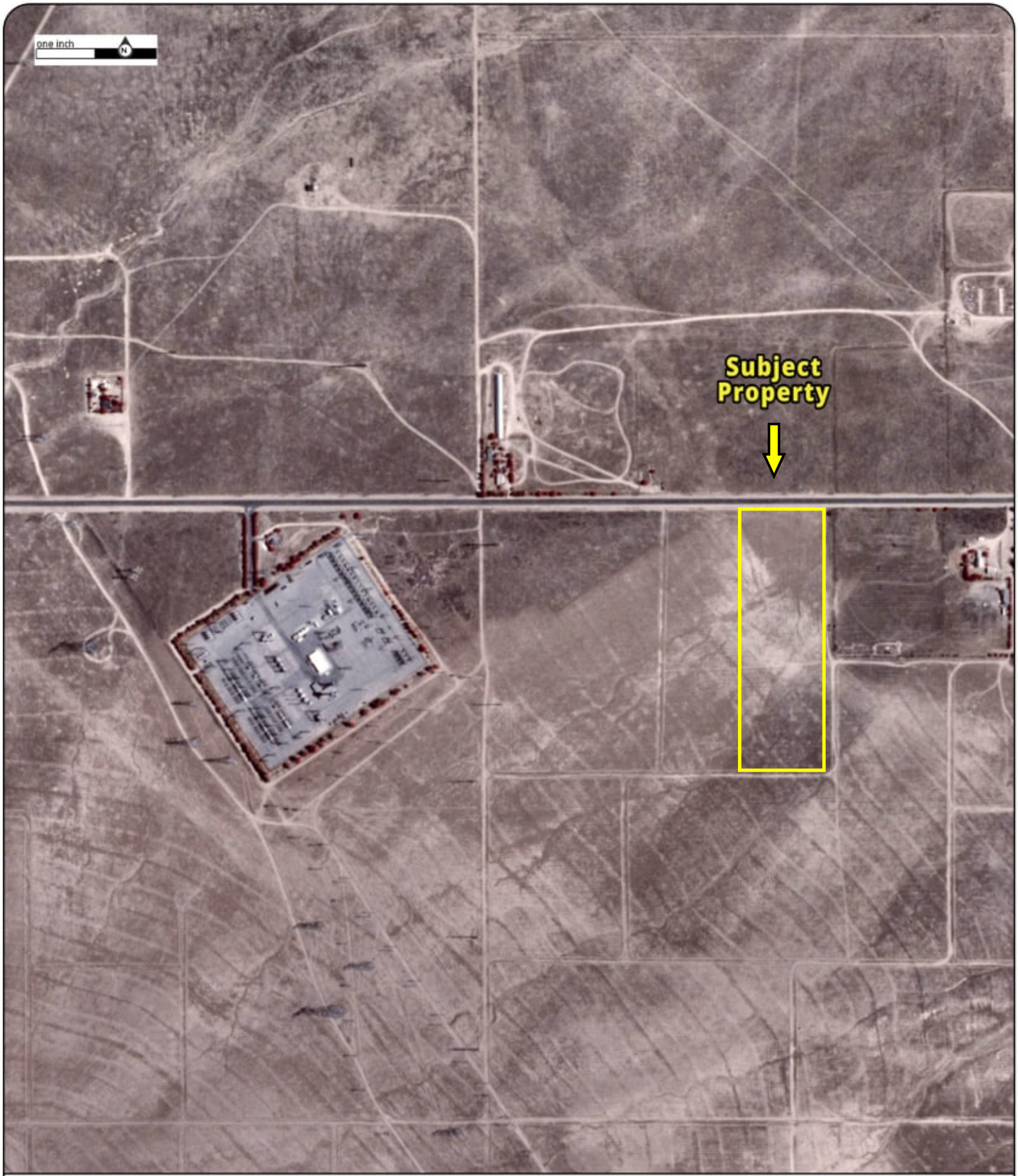
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER



Year: 2002
Source: USGS
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER

Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER

Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

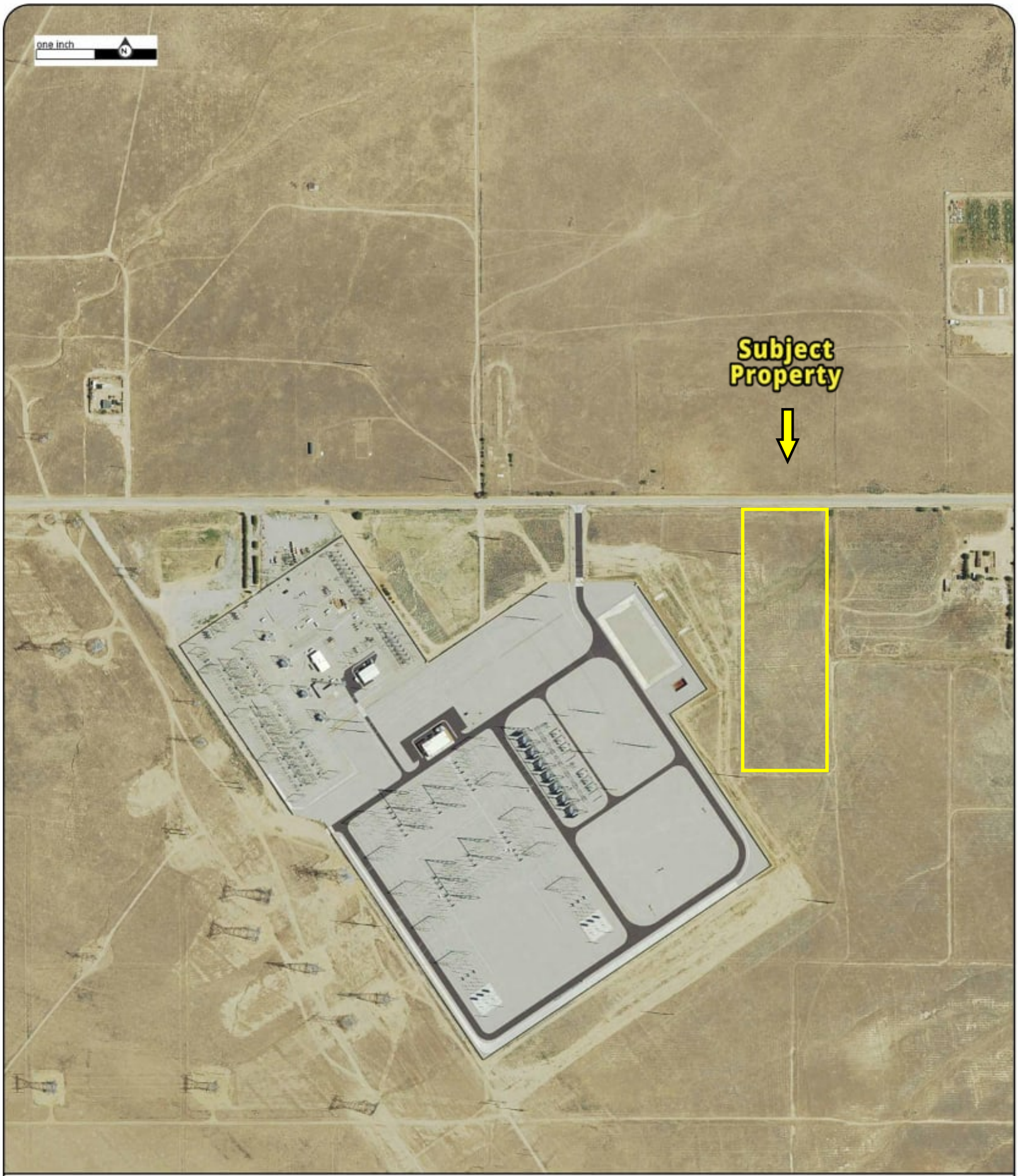
PARTNER

Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER

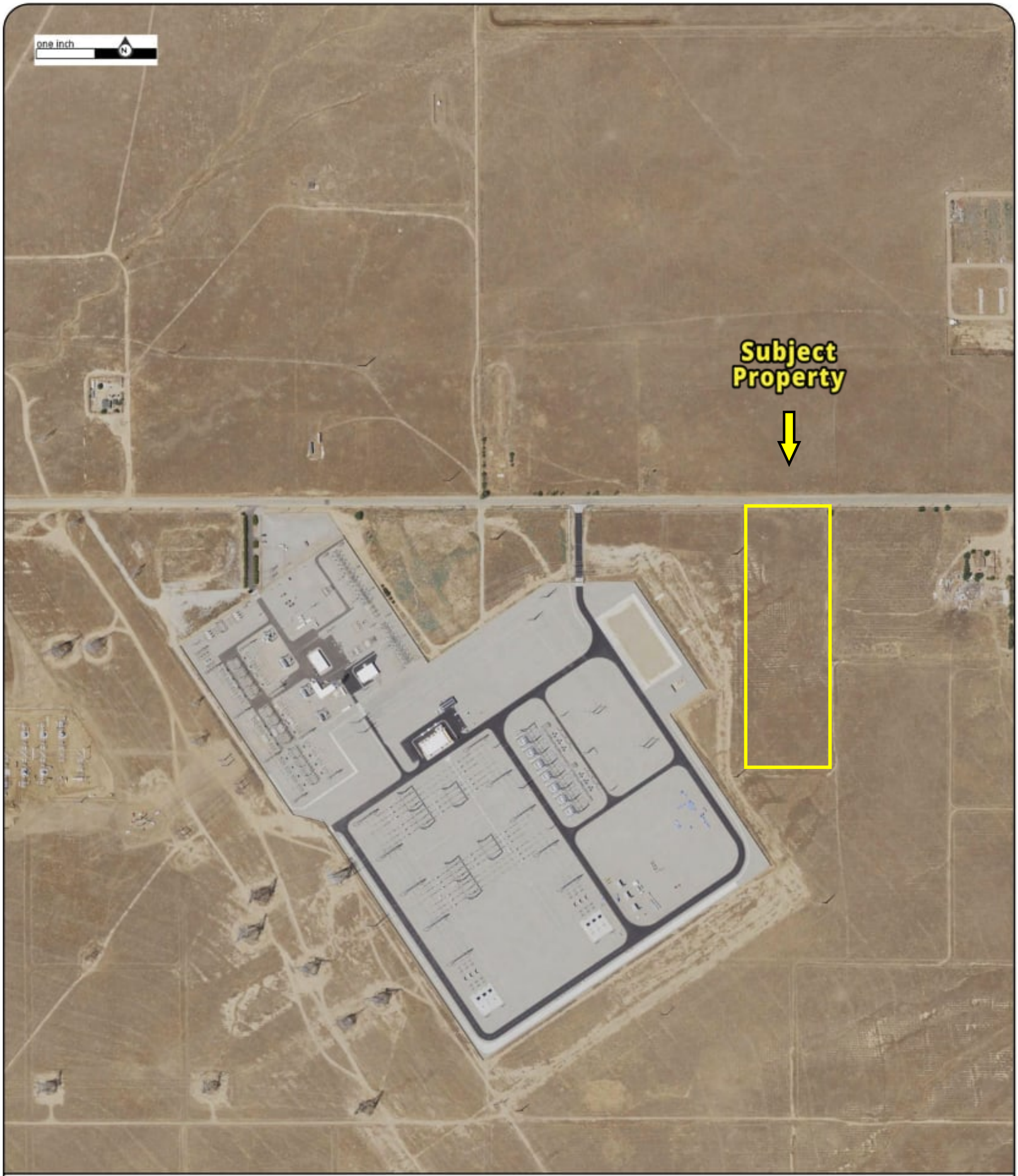


Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER



Year: 2016
Source: USDA
Scale: 1" = 500'
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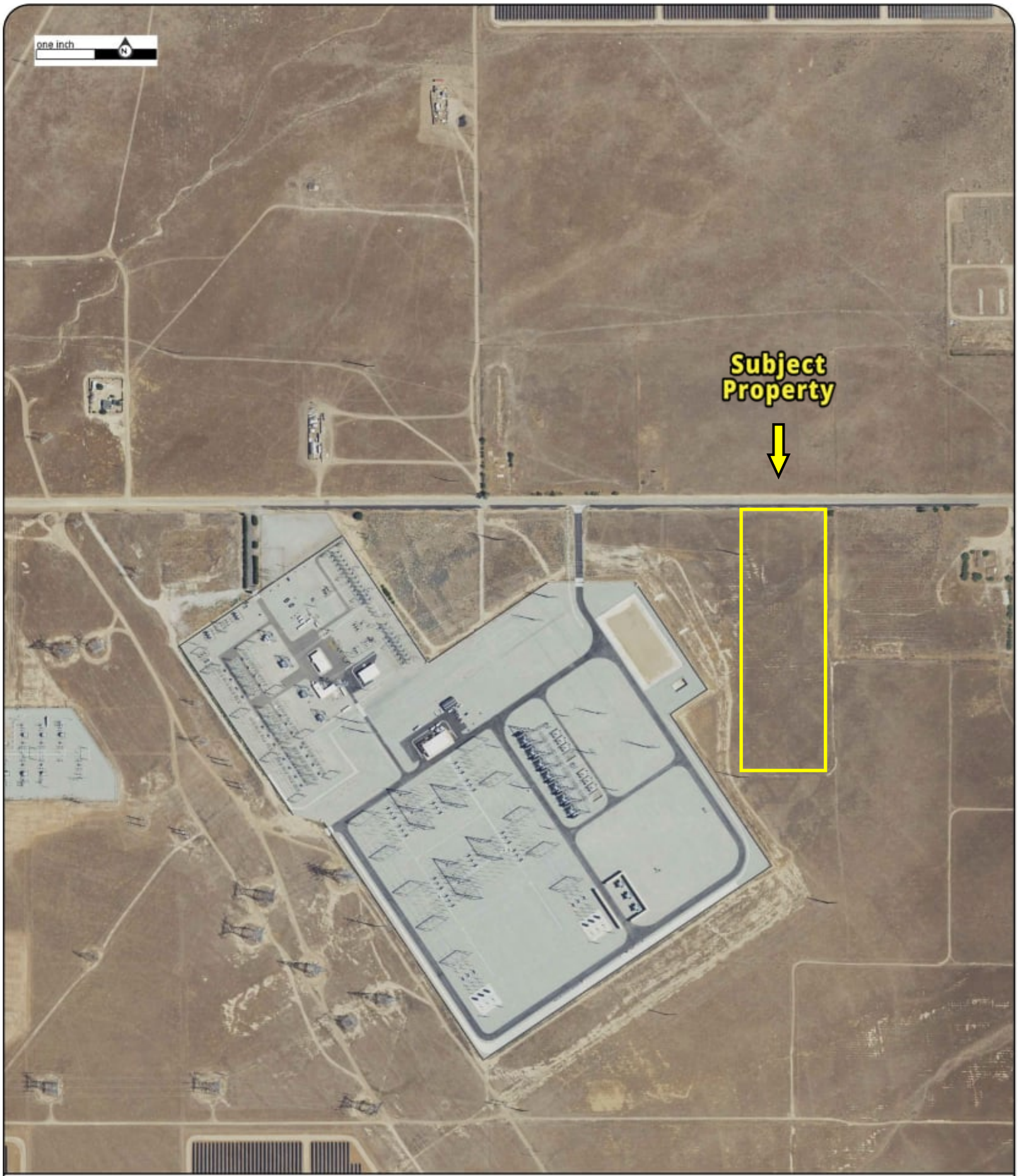
Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER



Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

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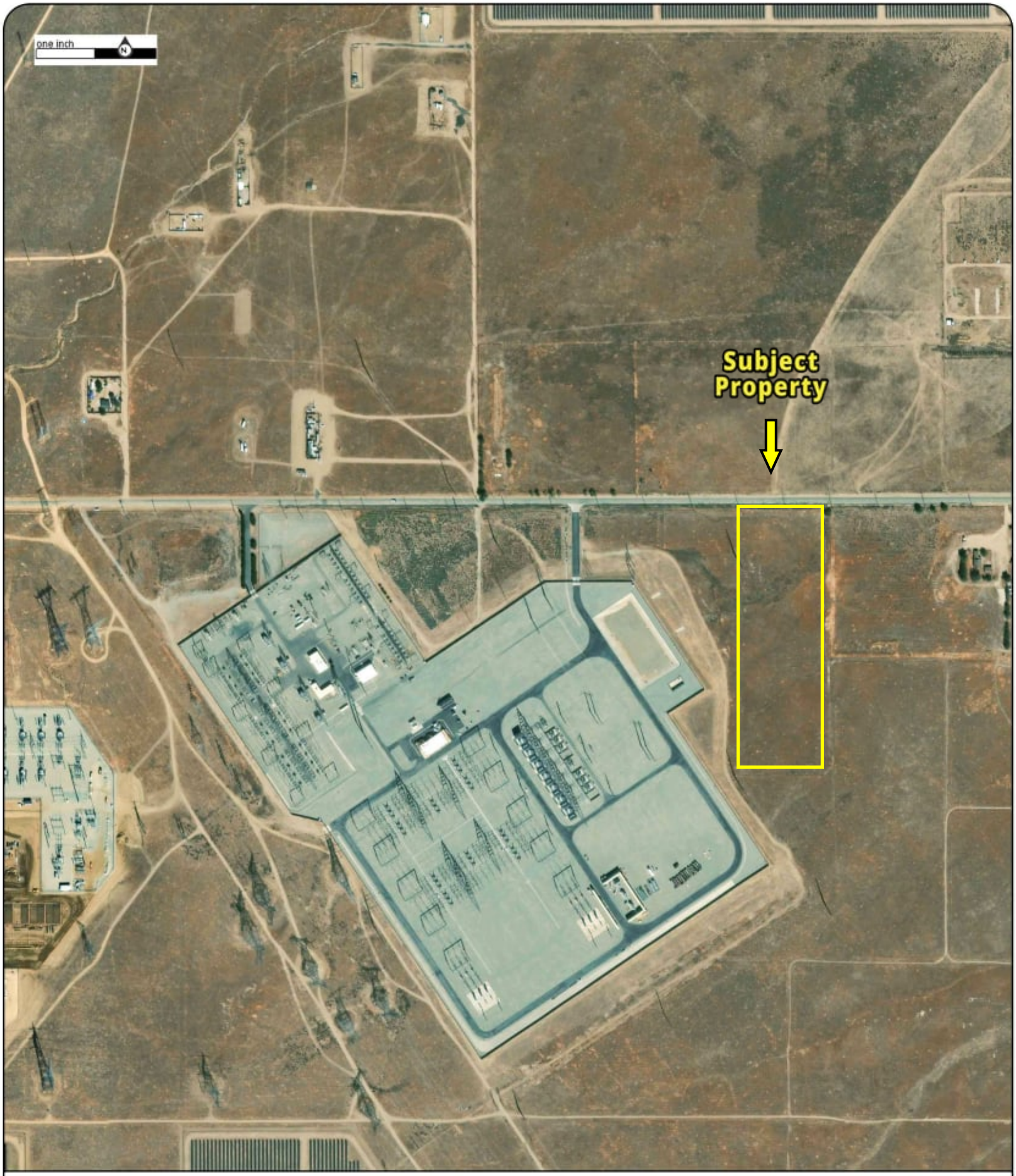
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER



Year: 2021
Source: MAXAR
Scale: 1" = 500'
Comment:

Address: n/a, NORTH ANTELOPE VALLEY, CA
Approx Center: -118.29491682,34.68907995

Order No: 23032400338

PARTNER

FIRE INSURANCE MAPS

Project Property:	J90 6001-2061-PRM2-0J90 n/a n/a CA
Project No:	23-403689.1
Requested By:	Partner Engineering and Science, Inc.
Order No:	23032400338
Date Completed:	March 25, 2023

Please note that no information was found for your site or adjacent properties.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

CITY DIRECTORY

Project Property:	*J90 6001-2061-PRM2-0J90* *n/a* *NORTH ANTELOPE VALLEY,CA*
Project No:	*23-403689.1*
Requested By:	*Partner Engineering and Science, Inc.*
Order No:	*23032400338*
Date Completed:	*March 31, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

March 31, 2023
RE: CITY DIRECTORY RESEARCH
n/a
NORTH ANTELOPE VALLEY,CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
43925-44715 of 90th St W
ALL of 95th St W
ALL of W Ave I 15
8650-10665 of W Ave J
Search Notes:

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	HAINES	
1995	HAINES	
1991-92	HAINES	
1987	HAINES	
1981	HAINES	
1975	HAINES	
1972	B G PUBLICATIONS	
1967	B G PUBLICATIONS	

2022 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

43926 **JOANNE JOHNSON**...*RESIDENTIAL*
43926 **LESLIE SMITH**...*RESIDENTIAL*
44505 **ANNELLA WHITEHEAD**...*RESIDENTIAL*
44505 **GORDON SKINNER**...*RESIDENTIAL*
44505 **SOMMER HAVEN RANCH**...*CHARITABLE INSTITUTIONS*
44505 **TARZANA TREATMENT**...*DRUG ABUSE & ADDICTION INFO & TREATMENT*
44505 **TERESA SKINNER**...*RESIDENTIAL*
44715 **JESSICA LEDFORD**...*RESIDENTIAL*
44715 **JESUS BAUTISTA**...*RESIDENTIAL*

2022 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

45120 **RICHARD KOEBERER**...*RESIDENTIAL*
45340 **CARRIE GUNDERSEN**...*RESIDENTIAL*

2022 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2022 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

8663 **AMAZINGLAZE**...*BATHROOM REMODELING*
8663 **AMAZINGLAZE**...*TILECERAMICCONTRACTORS & DEALERS*
8663 **AMAZINGLAZE**...*BATHTUBS & SINKS-REPAIRING & REFINISHING*
9070 **ADIH CLEANERS**...*CLEANERS*
10665 **ROBERT KENDRICK**...*RESIDENTIAL*

2020 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

43926 **JOANNE JOHNSON**...*RESIDENTIAL*
43926 **JODY SMITH**...*RESIDENTIAL*
44505 **GORDON SKINNER**...*RESIDENTIAL*
44505 **SOMMER HAVEN RANCH**...*CHARITABLE INSTITUTIONS*
44505 **TARZANA TREATMENT**...*DRUG ABUSE & ADDICTION INFO & TREATMENT*
44715 **JANA BAUTISTA**...*RESIDENTIAL*
44715 **JESSICA LEDFORD**...*RESIDENTIAL*
44715 **JESUS BAUTISTA**...*RESIDENTIAL*

2020 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

45120 **HENRY HOOYERINK JR**...*RESIDENTIAL*
45120 **RICHARD KOEBERER**...*RESIDENTIAL*
45340 **CARRIE GUNDERSEN**...*RESIDENTIAL*
45340 **GEORGIA HUGHES**...*RESIDENTIAL*

2020 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

8663 **AMAZINGLAZE**...*BATHROOM REMODELING*
8663 **AMAZINGLAZE**...*TILECERAMICCONTRACTORS & DEALERS*
8663 **AMAZINGLAZE**...*BATHTUBS & SINKS-REPAIRING & REFINISHING*
9070 **ADIH CLEANERS**...*CLEANERS*
10665 **ROBERT KENDRICK**...*RESIDENTIAL*

2016 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

43926 **JODY SMITH**...*RESIDENTIAL*
43926 **LESLIE SMITH**...*RESIDENTIAL*
44505 **ANNELLA WHITEHEAD**...*RESIDENTIAL*
44505 **GORDON SKINNER**...*RESIDENTIAL*
44505 **SOMMER HAVEN RANCH**...*CHARITABLE INSTITUTIONS*
44505 **TERESA SKINNER**...*RESIDENTIAL*
44715 **JANA BAUTISTA**...*RESIDENTIAL*
44715 **JESUS BAUTISTA**...*RESIDENTIAL*
44715 **RAYMOND BAUTISTA**...*RESIDENTIAL*
44715 **SOFIA BAUTISTA**...*RESIDENTIAL*

2016 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

45120 **HENRY HOOYERINK JR**...*RESIDENTIAL*
45120 **RICHARD KOEBERER**...*RESIDENTIAL*
45340 **CARRIE GUNDERSEN**...*RESIDENTIAL*
45340 **GEORGIA HUGHES**...*RESIDENTIAL*

2016 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2016 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

8663 **AMAZINGLAZE**...*BATHROOM REMODELING*
8663 **AMAZINGLAZE**...*BATHTUBS & SINKS-REPAIRING & REFINISHING*
9020 **DAZZLES GOURMET OVEN BAKED CRN**...*GOURMET SHOPS*

2012 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

43926 **JODY SMITH**...*RESIDENTIAL*
43926 **LESLIE SMITH**...*RESIDENTIAL*
44505 **SOMMER HAVEN RANCH**...*CHARITABLE INSTITUTIONS*

2012 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

45120 **SOPHIA HOOYERINK**...*RESIDENTIAL*
45320 **BELINDA VICKERS**...*RESIDENTIAL*
45340 **WINELA HUGHES**...*RESIDENTIAL*

2012 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

8663 **AMAZINGLAZE**...*BATHTUBS & SINKS-REPAIRING & REFINISHING*
10251 **BONNIE COX**...*RESIDENTIAL*
10251 **GAYLON COX**...*RESIDENTIAL*
10665 **ROBIN GILPATRICK**...*RESIDENTIAL*
10665 **SANDRA MOORE**...*RESIDENTIAL*

2008 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

43926 **JODY SMITH PRODUCTIONS**...*ENTERTAINERS, BANDS*
43926 **JODY SMITH PRODUCTIONS**...*MUSIC & LIVE ENTERTAINMENT*
44505 **SOMMER HAVEN RANCH**...*SOCIAL SERVICES NEC*
44505 **SUMMER HAVEN INC**...*RELIGIOUS ORGANIZATIONS*
44505 **SUMMER HAVEN INC**...*RELIGIOUS ORGANIZ*

2008 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

45120 **HENRY JR HOOYERINK**...*RESIDENTIAL*

2008 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2008 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

9020 **DEL SUR GARDENS**...*DRINKING PLACES*

2003 90TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

44715 **JOHNNY BRISCO**...*RESIDENTIAL*

2003 95TH ST W

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 W AVE I 15

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2003 W AVE J

SOURCE: DIGITAL BUSINESS DIRECTORY

9020 **ALBERT SCHUSTER**...*RESIDENTIAL*
9020 **BAR DEL SUR**...*RESIDENTIAL*
9050 **GEMS VALLEY**...*RESIDENTIAL*
10251 **FRANCES MILLER**...*RESIDENTIAL*
10251 **GAYLON COX**...*RESIDENTIAL*

2000 90TH ST W

SOURCE: HAINES

43838 **XXXX**
44715 **BRISCO JOHNNY**
44756 **XXXX**

2000 95TH ST W

SOURCE: HAINES

45120 **HOOYERINK HENRY JR**
45320 **MCCARLEY ALICE**
45340 **HUGHES MICHAEL**

2000 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

2000 W AVE J

SOURCE: HAINES

8361	**XXXX**
8663	**XXXX**
8666	**HEMME ROY**
8666	**PAWLUK ROBERT**
9020	**APARTMENTS**
9020	**DEL SUR BAR & GRILL**
9020	**DEL SUR GARDENS**
9020	**MULTI TENANT RESIDENTIAL**
9050	**JAMES G**
9050	**VALLEY GEMS**
9359	**MCDERMOTT HAL**
10251	**COX GAYLON**
10251	**VIAR OLGA**

1995 90TH ST W

SOURCE: HAINES

44715 **BRISCO JOHNNY**
44756 **XXXX**

1995 95TH ST W

SOURCE: HAINES

STREET NOT LISTED

1995 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

1995 W AVE J

SOURCE: HAINES

8158	**STEPHEN PATRICIA**
8663	**XXXX**
8666	**XXXX**
9020	**DELSUR GARDEN**
9050	**VALLEY GEMS**
9359	**XXXX**
10251	**COX GAYLON**
10785	**HANES H D**

1991-92 90TH ST W

SOURCE: HAINES

44505 **MARSEE MARY**
44505 **MRASEE JOHN**
44715 **BRISCO JOHNNY**
44756 **XXXX**

1991-92 95TH ST W

SOURCE: HAINES

STREET NOT LISTED

1991-92 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

1991-92 W AVE J

SOURCE: HAINES

7730	**WARRACK MARK**
7730	**WARRACK MARY**
8663	**WILCOCKSON KEVIN**
8666	**XXXX**
9020	**DEL SUR GARDEN**
9020	**DEL SUR GARDEN TRLR**
9020	**DEL SUR GRDN TRLR**
9020	**MULTI TENANT RESIDENTIAL**
9050	**XXXX**
9359	**TERRILL MELVIN**
10251	**COX GAYLON**

1987 90TH ST W

SOURCE: HAINES

43838	**WALDEN ENVIRONMNT 7**
43926	**WALDEN ENVIRONMNT 2**
44505	**WAGNER JOS A**
44715	**BRISCO JOHNNY**
44756	**XXXX**

1987 95TH ST W

SOURCE: HAINES

STREET NOT LISTED

1987 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

1987 W AVE J

SOURCE: HAINES

8358	**CAR KELL DOWNS**
8358	**KINGSTON JIM**
8358	**OZGA PETE**
8663	**TOBIN DAVID**
8666	**SHIOLER PHYLLIS**
9020	**DEL SUR GARDEN**
9020	**DEL SUR GARDEN TRLR**
9020	**DIAZ DAVID**
9020	**ROCKWELL AID**
9020	**WHITAKER BILL**
9050	**PETERS PAUL H**
9359	**MORSEFIELD HARRY E**
9807	**YATES W**
10251	**ROLF ELMER**

1981 90TH ST W

SOURCE: HAINES

43838	**WESTSIDE YOUTH HM**
43838	**WESTSIDE YOUTH HM 7**
43926	**WESTSIDE YOUTH HM 2**
44210	**BRISCO LUTHER F**
44505	**WAGNER JOSEPH A**
45156	**TRAVIS RANCH**

1981 95TH ST W

SOURCE: HAINES

STREET NOT LISTED

1981 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

1981 W AVE J

SOURCE: HAINES

8358	**VERASTEGUI TONY**
8358	**WOOLERY RANCH**
8663	**XXXX**
8666	**PAWLUK ROBT**
9020	**DELSUR GARDEN**
9020	**ROCKWELL ROD & GUN CL**
9050	**POTTER CHRIS**
9359	**MORSEFIELD HARRY E**
9807	**YATES W**
10251	**ROLOF TED R**
10785	**MORTON WM L**

1975 90TH ST W

SOURCE: HAINES

43838	**WAYMAN JACK**
43926	**RUSCELLIS BOYS RNCH**
44210	**BRISCO LUTHER F**
44505	**MCBEE DEBBIE**
44505	**MCBEE DOROTHY L**
44756	**STEPHENS BILL**
44964	**MARANTOS EUGENE**

1975 95TH ST W

SOURCE: HAINES

STREET NOT LISTED

1975 W AVE I 15

SOURCE: HAINES

STREET NOT LISTED

1975 W AVE J

SOURCE: HAINES

8358	**AL FERRARIS STK FRM**
8663	**STUPP CLIFFORD**
9020	**DEL SUR GARDEN**
9020	**JUNG GEO**
9050	**PETERS RICHARD L**
9359	**MORSEFIELD HARRY E**
9807	**TRAVERS G**
10251	**ROLOF TED R**

1972 90TH ST W

SOURCE: B G PUBLICATIONS

43838	**MAXFIELD T**
44618	**WILSON JAS**
44650	**COTTAGE INN RESTRNT**
44964	**M - D RANCH**
45156	**WATERS A L**

1972 95TH ST W

SOURCE: B G PUBLICATIONS

STREET NOT LISTED

1972 W AVE I 15

SOURCE: B G PUBLICATIONS

STREET NOT LISTED

1972 W AVE J

SOURCE: B G PUBLICATIONS

8358	**BANKS B S**
8663	**MONTOYA G**
9020	**DEL SUR TVRN**
9020	**WOLF K L**
9050	**PETERS RICHD**
9359	**MORSEFIELD H**
9807	**FRAZIER BILL**

1967 90TH ST W

SOURCE: B G PUBLICATIONS

RANGE NOT LISTED

1967 95TH ST W

SOURCE: B G PUBLICATIONS

STREET NOT LISTED

1967 W AVE I 15

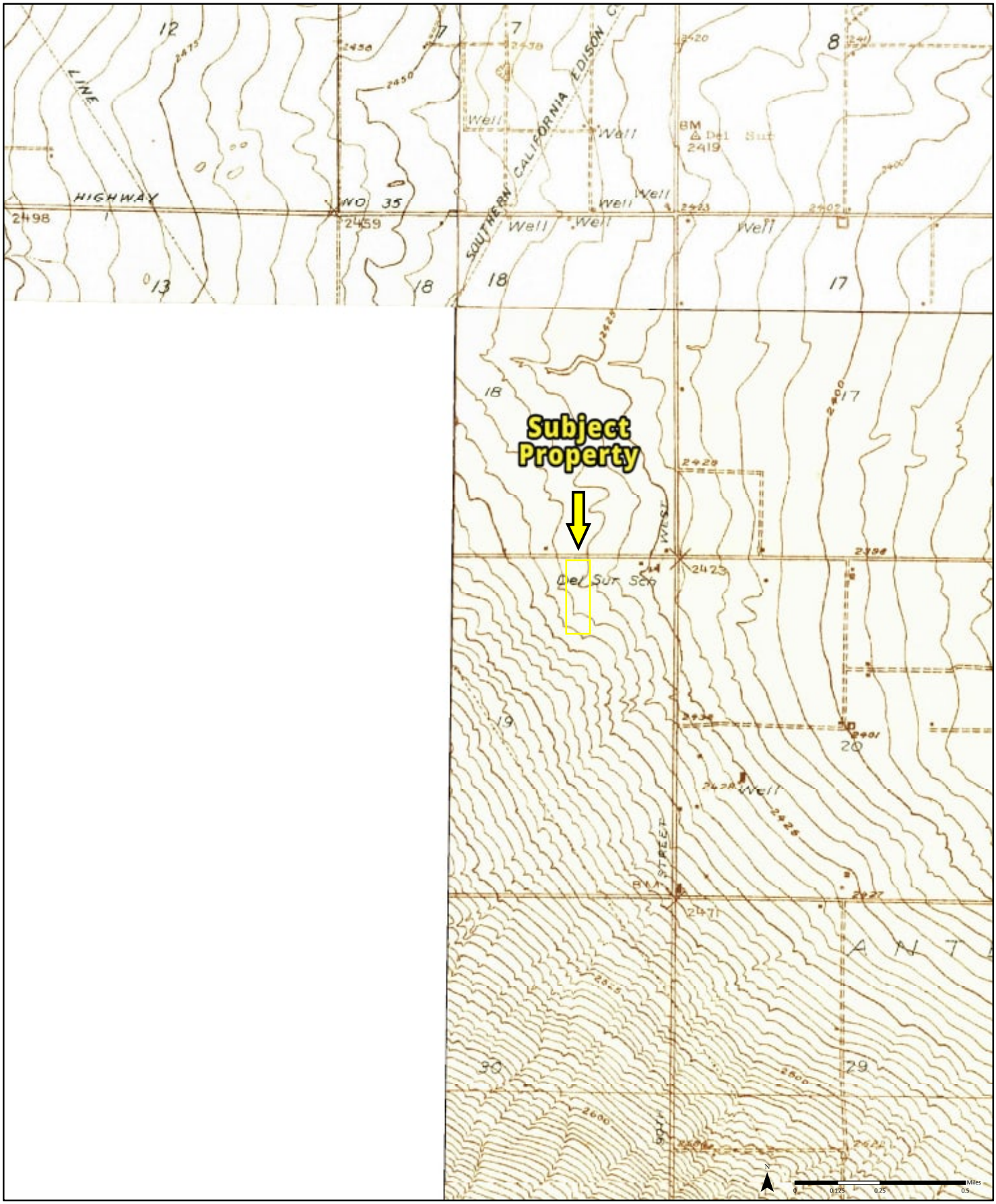
SOURCE: B G PUBLICATIONS

STREET NOT LISTED

1967 W AVE J

SOURCE: B G PUBLICATIONS

8358	**FERRARIS AL**
8663	**MONTOYA G**
8664	**BRISCO LUTHER**
9050	**GOOKINS E**
9359	**MORSEFIELD H**
9807	**FRAZIER BILL**
10251	**SCHWANDT R**



1931

Quadrangle(s): **Del Sur, CA**
Little Buttes, CA
Esperanza School, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER

1932

Quadrangle(s): **Del Sur, CA**
Lake, CA
Little Buttes, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER

1936

Quadrangle(s): **Lake, CA**
Del Sur, CA
Little Buttes, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER

1937

Quadrangle(s): **Lake, CA**
Del Sur, CA
Little Buttes, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER

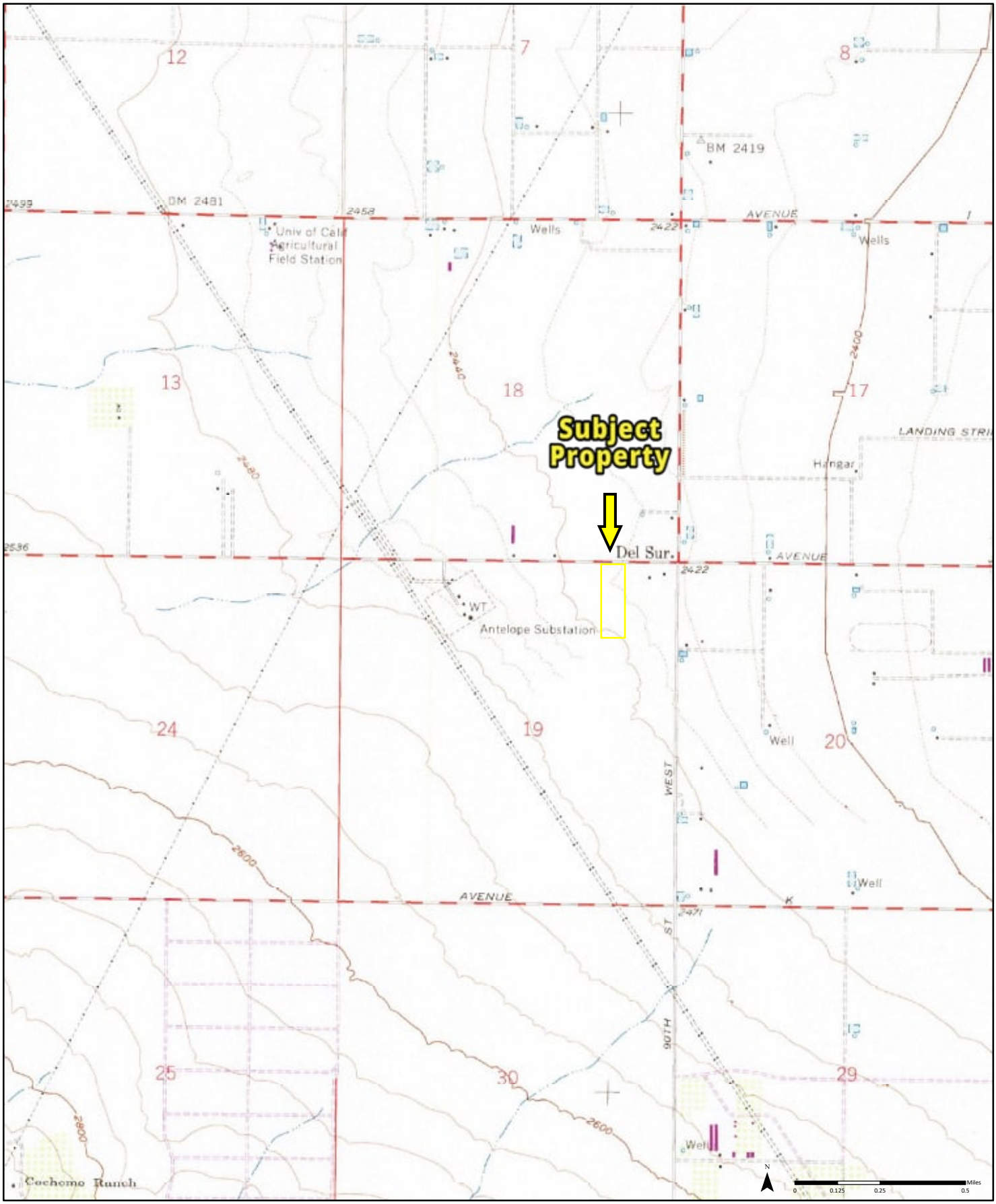
1958 (1-1958)
Aerial Photo Year: 1956

Quadrangle(s): Bouquet Reservoir, CA(1-1958)

Order No. 23032400338

Source: USGS 15 Minute Topographic Map

PARTNER



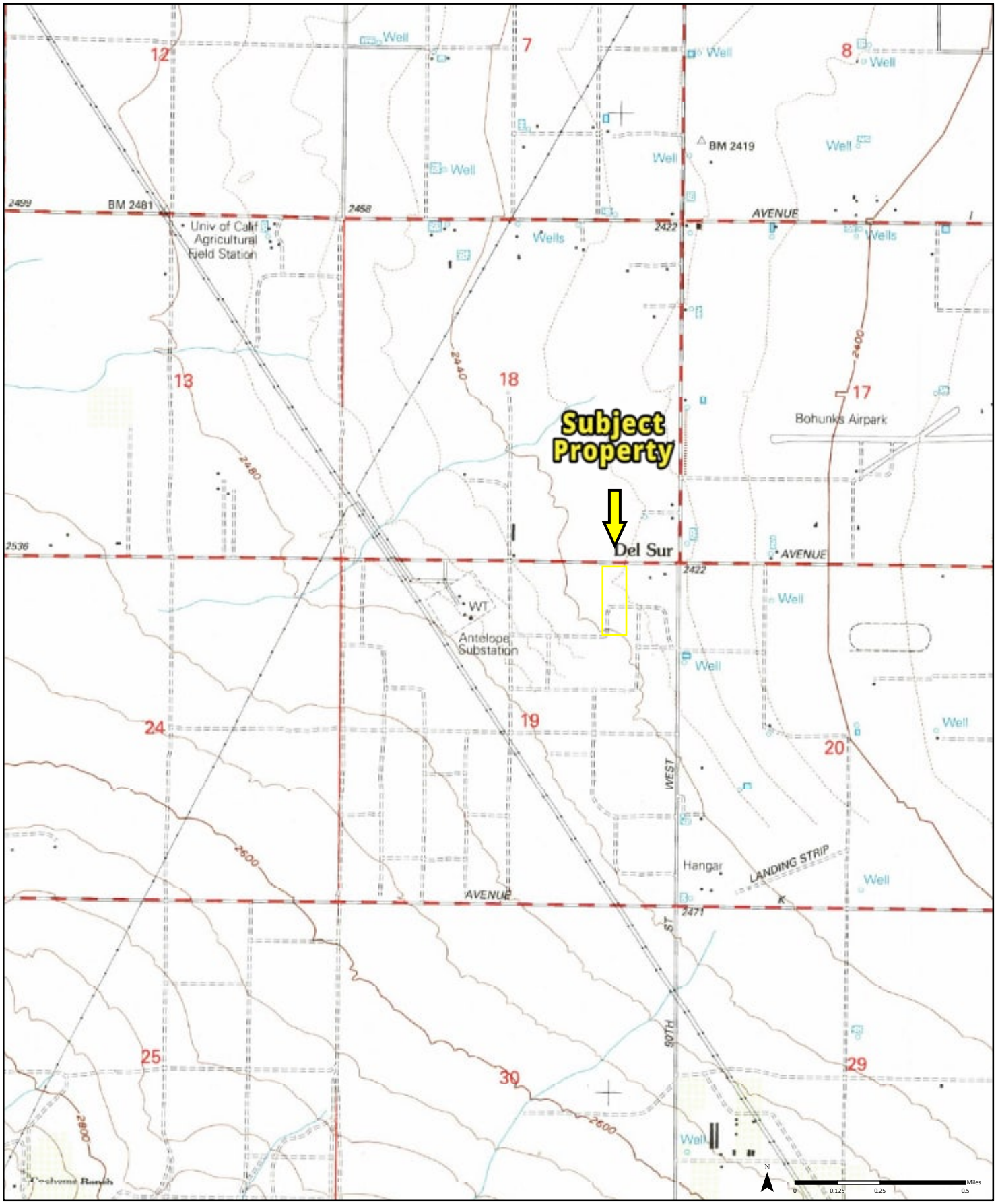
1974

Quadrangle(s): Lake, CA
Del Sur, CA(1-1974)
Del Sur, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER



1995

Quadrangle(s): Lake, CA
Del Sur, CA(1-1995)
Del Sur, CA

Source: USGS 7.5 Minute Topographic Map

Order No. 23032400338

PARTNER

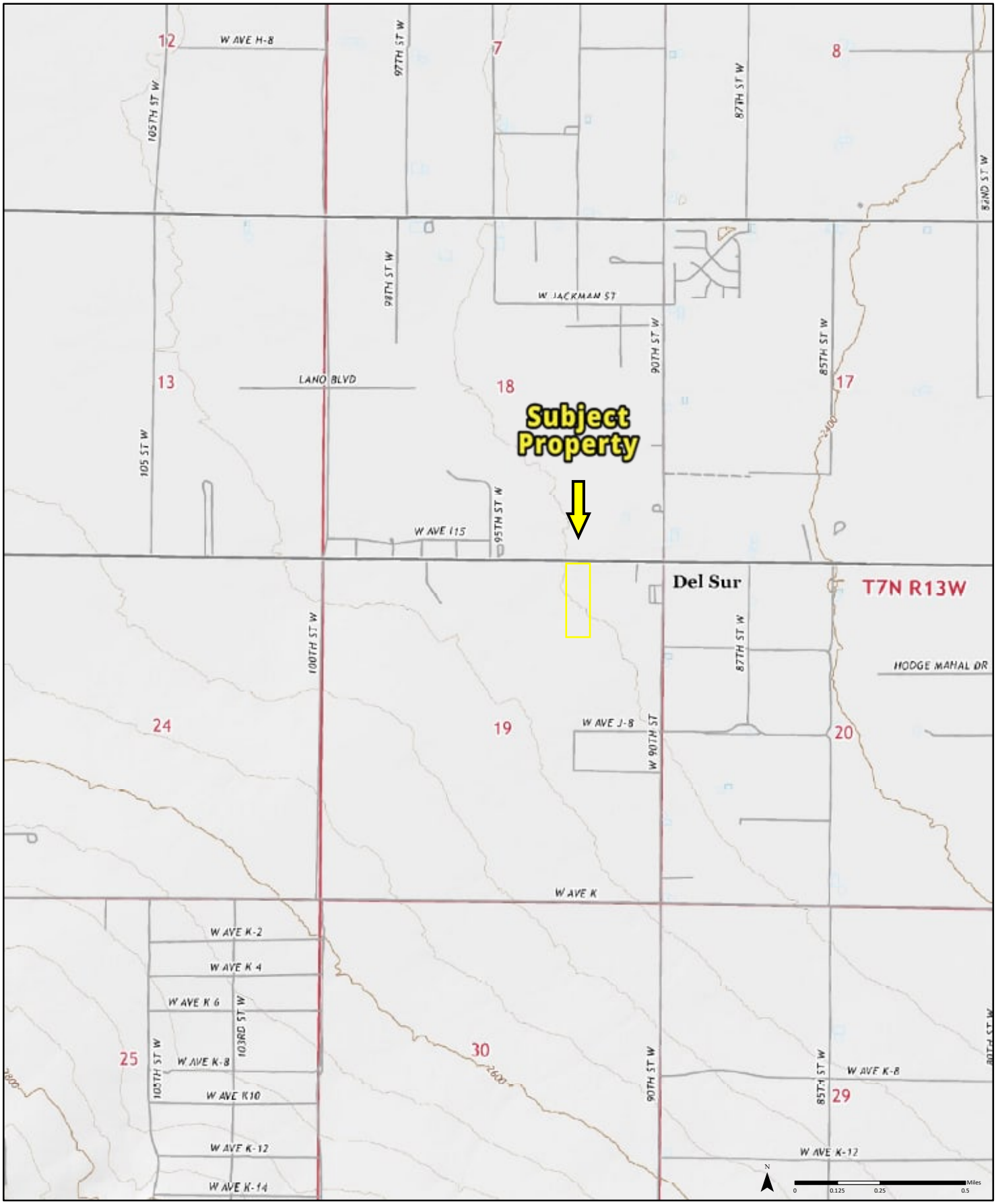
2015

Quadrangle(s): Del Sur, CA

Order No. 23032400338

Source: USGS 7.5 Minute Topographic Map

PARTNER



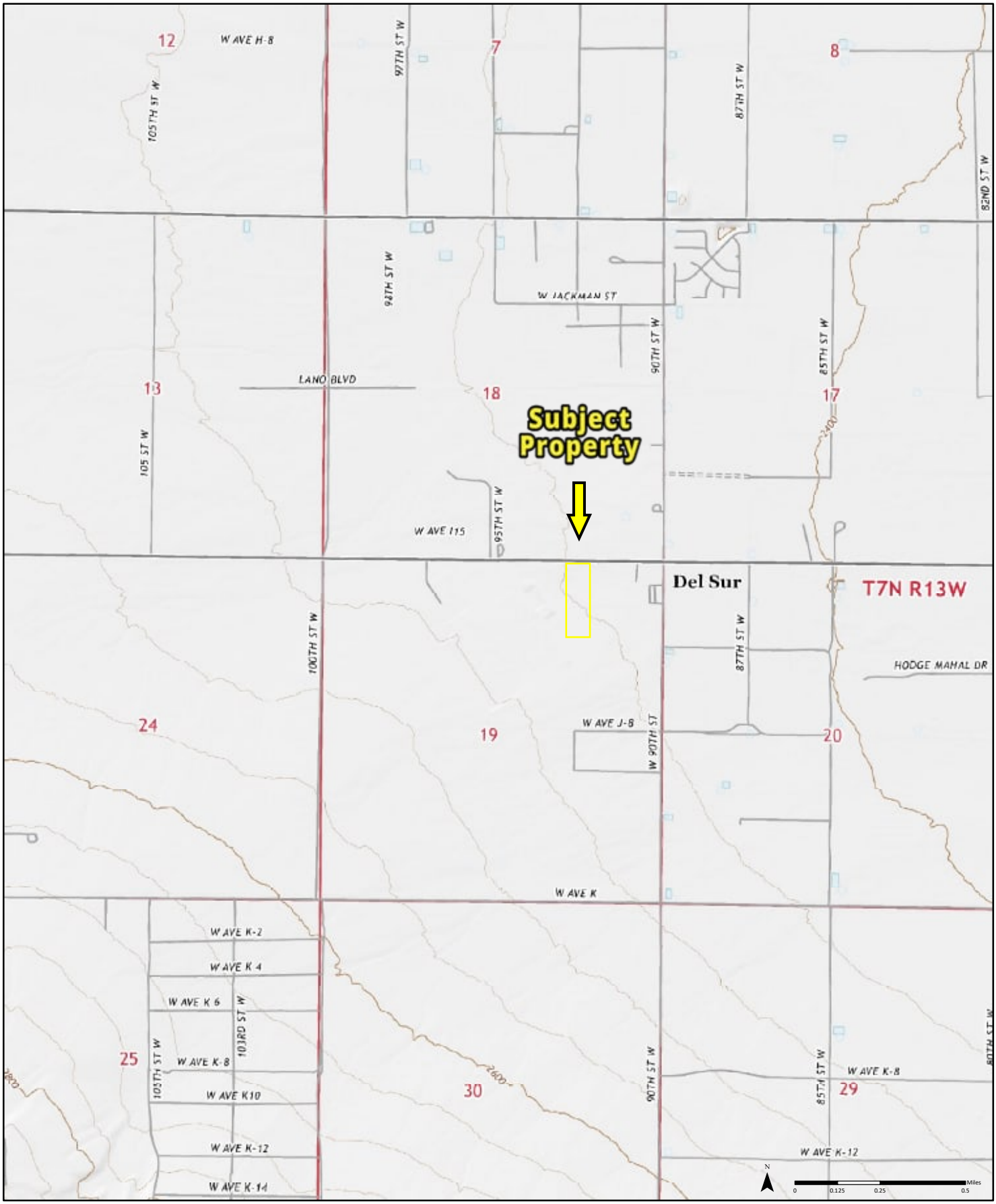
2018

Quadrangle(s): Del Sur, CA

Order No. 23032400338

Source: USGS 7.5 Minute Topographic Map

PARTNER



2021

Quadrangle(s): Del Sur, CA

Order No. 23032400338

Source: USGS 7.5 Minute Topographic Map

PARTNER

Antelope Valley Area, California

GsC—Greenfield sandy loam, 2 to 9 percent slopes

Map Unit Setting

National map unit symbol: hcdw
Elevation: 2,600 to 4,200 feet
Mean annual precipitation: 9 to 12 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 200 to 250 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Greenfield and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Greenfield

Setting

Landform: Alluvial fans, terraces
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile

H1 - 0 to 20 inches: sandy loam
H2 - 20 to 60 inches: sandy loam
H3 - 60 to 80 inches: stratified loamy sand to coarse sandy loam

Properties and qualities

Slope: 2 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R019XD964CA - LOAMY 9-20"
Hydric soil rating: No

Minor Components

Hanford
Percent of map unit: 8 percent
Hydric soil rating: No

Ramona
Percent of map unit: 5 percent
Hydric soil rating: No

Unnamed
Percent of map unit: 1 percent
Hydric soil rating: No

Unnamed
Percent of map unit: 1 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Antelope Valley Area, California
Survey Area Data: Version 15, Sep 9, 2022

National Flood Hazard Layer FIRMette

FEMA

118°18'2"W 34°41'41"N

118°17'25"W 34°41'12"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/11/2023 at 8:44 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

CALIFORNIA - EPA Map of Radon Zones

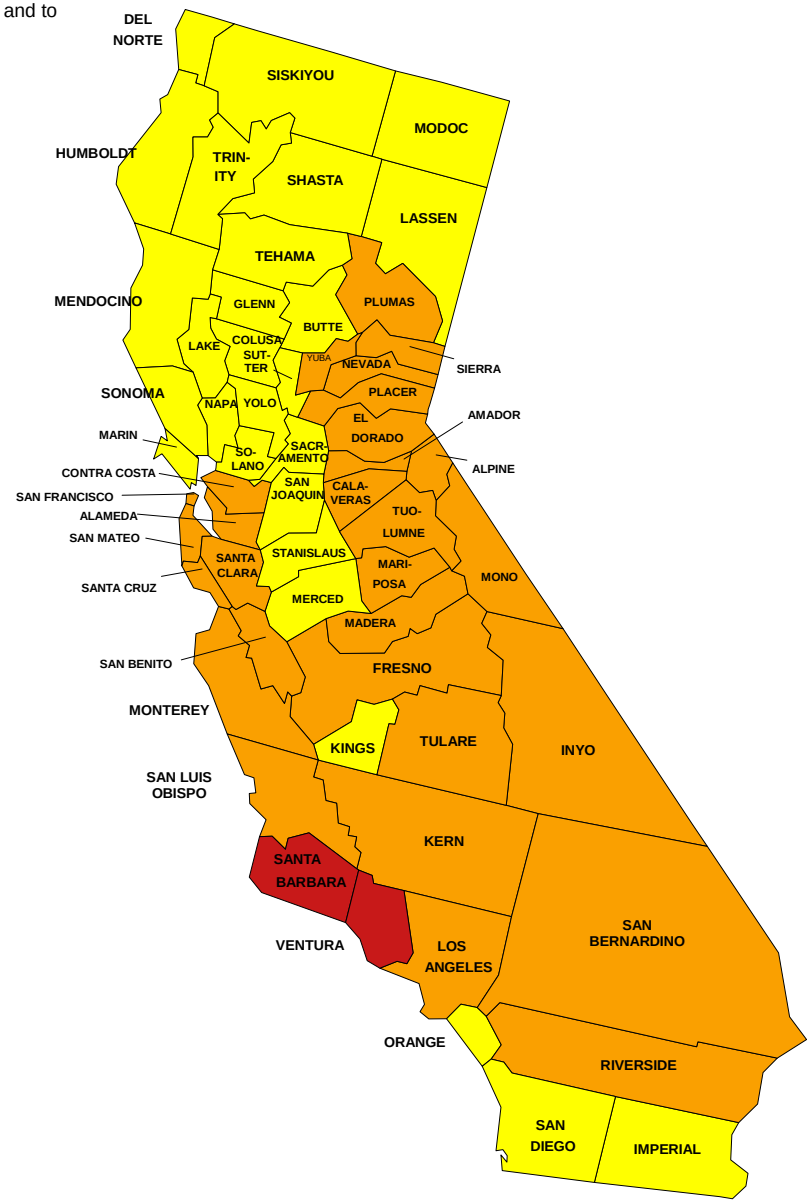
http://www.epa.gov/radon/zonemap.html

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

All homes should be tested, regardless of zone designation.

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of California" (USGS Open-file Report 93-292-I) before using this map. See http://energy.cr.usgs.gov/radon/grpinfo.html This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.



Zone 1 Zone 2 Zone 3

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 344209118183801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

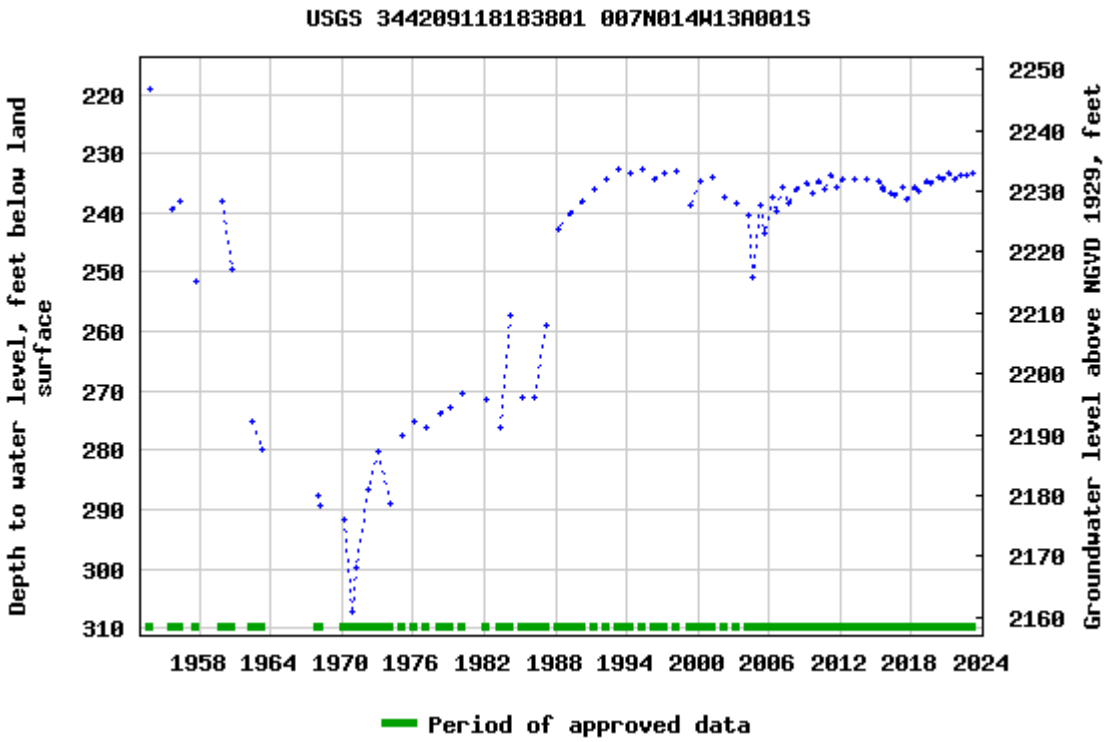
USGS 344209118183801 007N014W13A001S

Available data for this site | Groundwater: Field measurements | GO

Los Angeles County, California
Hydrologic Unit Code 18090206
Latitude 34°42'09", Longitude 118°18'38" NAD27
Land-surface elevation 2,467.00 feet above NGVD29
The depth of the well is 519 feet below land surface.
The depth of the hole is 519 feet below land surface.
This well is completed in the Basin and Range basin-fill aquifers (N100BSNRGB) national aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2023-04-12 01:34:14 EDT
0.55 0.47 nadww01

CALIFORNIA WATER SERVICE™

Quality. Service. Value.®

WATER QUALITY REPORT 2021

ANTELOPE VALLEY DISTRICT

Lancaster System

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien.

TABLE OF CONTENTS

WELCOME

Since 1926, California Water Service (Cal Water) has been committed to providing a reliable supply of safe, clean water to our customers and communities. With the coronavirus pandemic, access to high-quality water became particularly top of mind. Throughout the pandemic and beyond, our commitment to our customers has remained as strong as ever.

In this system in 2021, we conducted 689 tests on 121 water samples for 125 constituents. We are pleased to confirm that we met every primary and secondary federal and state water quality standard last year.

Our promise to provide quality, service, and value means more than just treatment and testing. It means having expert professionals available to assist with routine services in a safe and efficient manner. It means having personnel available to handle emergencies 24 hours per day. It means maintaining and upgrading the infrastructure needed to transport water through a network of pumps, tanks, and pipes to your tap. It also means that, even with costs increasing across the country, we do everything we can to operate as efficiently as possible to keep your water affordable.

I encourage you to review this annual water quality report, also called your Consumer Confidence Report, as it details any constituents detected in your water supply in 2021 and shows how your water compares to federal and state standards. It also provides information on current water quality issues and steps we are taking to protect your health and safety.

If you have any questions, we are here to assist you. You can reach us by phone or email at our local Customer Center, or online at **www.calwater.com**. You can also get water service news on our web site, and via our Facebook, Twitter, and Instagram pages. If you're an account holder, you can find updates in your monthly bill and should keep your contact information up to date by visiting **ccu.calwater.com** to ensure you receive important emergency and other information.

Sincerely,
Jon Yasin, Local Manager, Antelope Valley District

[Antelope Valley District | 5015 West Avenue L-14, Unit 2, Quartz Hill, CA 93536 | (800) 680-1160]

ACTION ITEMS

There were no significant issues in your water system in 2021, and we have no recommended action items for our customers in this area.

YOUR WATER SYSTEM

YOUR WATER

Cal Water serves approximately 1,400 customer connections in our Fremont Valley, Grand Oaks, Lancaster, Lake Hughes, and Leona Valley water systems.

The water we provide includes water pumped from local aquifers by wells located throughout our service area, and purchased surface water obtained by the Antelope Valley-East Kern Water Agency (AVEK) from the State Water Project in northern California. The Lancaster system includes two active groundwater wells, three storage tanks, and two booster pumps.

Our company-wide water quality assurance program includes vigilant monitoring throughout our systems and testing at our state-of-the-art laboratory. Additionally, we proactively maintain and upgrade our facilities to ensure a reliable, high-quality supply.

CHLORINATION

Chlorination is the addition of chlorine to drinking water systems. It is the most common type of drinking water disinfection, killing bacteria, viruses, and other microorganisms that cause disease or immediate illness. Chlorine is effective and continues to keep water safe as it travels through pipelines to the consumer's tap.

WATER RESOURCE SUSTAINABILITY

Cal Water helps our customers conserve water by offering programs and incentives to reduce indoor and outdoor water use, develop more efficient habits, and educate the next generation about the importance of managing water resources sustainably. We also continue to invest diligently in our infrastructure to reduce the amount of water lost to pipeline leaks and in 2021 completed an updated assessment of the impacts of climate change on water supply and demand. As we experience a worsening drought this year, it's important that we make saving water every day a way of life. Using water wisely will ensure that we have enough water in dry years and for generations to come.

Visit **www.calwater.com/conservation** for details.

If you have any questions, suggestions, or concerns, please contact our local Customer Center, either by phone at (800) 680-1160 or through the Contact Us link at www.calwater.com.

WATER QUALITY

THE WATER QUALITY LAB

Water professionals collect samples from throughout the water system for testing at our newly upgraded, state-of-the-art water quality laboratory, which is certified each year through the stringent Environmental Laboratory Accreditation Program (ELAP).

Scientists, chemists, and microbiologists test the water for 326 constituents with equipment so sensitive it can detect levels as low as one part per trillion. In order to maintain the ELAP certification, all of our scientists must pass blind-study proficiency tests for every water quality test performed. Water quality test results are entered into our Laboratory Information Management System (LIMS), a sophisticated software program that enables us to react quickly to changes in water quality and analyze water quality trends in order to plan effectively for future needs.

CROSS-CONNECTION CONTROL

To ensure that the high-quality water we deliver is not compromised in the distribution system, Cal Water has a robust cross-connection control program in place. Cross-connection control is critical to ensuring that activities on customers' properties do not affect the public water supply. Our cross-connection control specialists ensure that all of the existing backflow prevention assemblies are tested annually, assess all connections, and enforce and manage the installation of new commercial and residential assemblies.

Backflow can occur when certain pressure conditions exist either in our distribution system or within the customer's plumbing, so our customers are our first line of defense. A minor home improvement project—without the proper protections—can create a potentially hazardous situation, so careful adherence to plumbing codes and standards will ensure the community's water supply remains safe. Please be sure to utilize the advice or services of a qualified plumbing professional.

Many water-use activities involve substances that, if allowed to enter the distribution system, would be aesthetically displeasing or could even present health concerns. Some common cross-connections are:

- Garden hoses connected to a hose bib without a simple hose-type vacuum breaker (available at a home improvement store)
- Improperly installed toilet tank fill valves that do not have the required air gap between the valve or refill tube
- Landscape irrigation systems that do not have the proper backflow prevention assembly installed on the supply line

The list of materials that could potentially contaminate the water system is vast. According to the United States Environmental Protection Agency (EPA), a wide variety of substances have contaminated drinking water systems throughout the country as a result of poor cross-connection control. Examples include:

- Antifreeze from a heating system
- Lawn chemicals from a garden hose or sprinkler head
- Blue water from a toilet tank
- Carbonated water from a soda dispenser

Customers must ensure that all plumbing is in conformance with local plumbing codes. Additionally, state law requires certain types of facilities to install and maintain backflow prevention assemblies at the water meter. Cal Water's cross-connection control staff will determine whether you need to install a backflow prevention assembly based on water uses at your location.

DWSAPP

By the end of 2002, Cal Water had submitted to the Division of Drinking Water (DDW) a Drinking Water Source Assessment and Protection Program (DWSAPP) report for each water source in the water system. The DWSAPP report identifies possible sources of contamination to aid in prioritizing cleanup and pollution prevention efforts. All reports are available for viewing or copying at our Customer Center.

The water sources in your system are considered most vulnerable to:

- Schools
- High-density housing
- Recreational activities
- Wastewater
- Grazing
- Agriculture
- Urban/stormwater runoff
- Wildlife
- Known contaminant plumes
- Above- and underground storage tanks
- Historic gas stations

We encourage customers to join us in our efforts to prevent water pollution and protect our most precious natural resource.

FLUORIDE

State law requires Cal Water to add fluoride to drinking water if public funding is available to pay for it, and it is a practice endorsed by the American Medical Association and the American Dental Association to prevent tooth decay. In this area, low levels of fluoride occur naturally, and Cal Water doesn't add any to the water supply. Show the table in this report to your dentist to see if he or she recommends giving your children fluoride supplements.

More information about fluoridation, oral health, and related issues can be found on the DDW web site.

For general information on water fluoridation, visit us online at www.calwater.com.

WATER HARDNESS

Hardness is a measure of the magnesium, calcium, and carbonate minerals in the water. Water is considered soft if its hardness is less than 75 parts per million (ppm), moderately hard at 75 to 150 ppm, hard between 150 and 300 ppm, and very hard at 300 ppm or higher.

Hard water is generally not a health concern, but it can have an impact on how well soap lathers and is significant for some industrial and manufacturing processes. Hard water may also lead to mineral buildup in pipes or water heaters.

Some people with hard water opt to buy a water softener for aesthetic reasons; however, some water softeners add salt to the water, which can cause problems at wastewater treatment plants. Additionally, people on low-sodium diets should be aware that some water softeners increase the sodium content of the water.

For more information on water hardness, visit www.calwater.com/video/hardness.

POSSIBLE CONTAMINANTS

All 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 water poses a health risk.

More information about contaminants and potential health effects can be obtained by calling the EPA Safe Drinking Water Hotline at (800) 426-4791.

The sources of drinking water (both tap and bottled) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, 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, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

Inorganic contaminants, such as salts and metals, which 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 byproducts of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.

Radioactive contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, the EPA and DDW prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised people, such as those with cancer undergoing chemotherapy, those who have undergone organ transplants, and those 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 from their health care providers about drinking water. EPA and Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline.

ABOUT LEAD

As the issue of lead in water continues to be top of mind for many Americans, Cal Water wants to assure you about the quality of your water. We are compliant with health and safety codes mandating use of lead-free materials in water system replacements, repairs, and new installations. We have no known lead service lines in our systems. We test and treat (if necessary) water sources to ensure that the water delivered to customer meters meets all water quality standards and is not corrosive toward plumbing materials.

The water we deliver to your home meets lead standards. However, 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 (for example, lead solder used to join copper plumbing, and brass and other lead-containing fixtures).

Cal Water is responsible for providing high-quality drinking water to our customers' meters, 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 2 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 by a certified lab. More information about lead in drinking water can be found on the Safe Drinking Water Hotline or at **www.epa.gov/safewater/lead**.

In your system, results from our lead monitoring program, conducted in accordance with the Lead and Copper Rule, were below the action level for the presence of lead.

Testing for Lead in Schools

The State of California required that all public schools built before 2010 test for lead in their drinking water by July 1, 2019. We are committed to supporting our school districts' efforts to protect students and ensure that the drinking water at their school sites are below lead limits. We worked with all school districts in our service area that serve kindergarten through 12th grade to develop sampling plans, test samples, and conduct follow-up monitoring, if needed, for corrective actions.

For more information, please see our **Testing for Lead in Schools** web page. For specific information regarding local school data, see the **state web portal**.

Lead and Copper Rule

The Lead and Copper Rule requires us to test water inside a representative number of homes that have plumbing most likely to contain lead and/or lead solder to determine the presence of lead and copper or any action level exceedance. An action level is the concentration of a contaminant which, when exceeded, triggers corrective actions before it becomes a health concern. If action levels are exceeded, either at a customer's home or system-wide, we work with the customer to investigate the issue and/or implement corrosion control treatment to reduce lead levels.

Lead Service Line Inventory (LSLI)

Protecting our customers' health and safety is our highest priority. As part of this commitment, we have been working to identify and replace any old customer water service lines and fittings that may contain lead. California Senate Bill (SB) 1398 required all water utilities in California to develop an inventory of all distribution service line materials, and submit a list of known service lines to the state by 2018. A list of unknown service lines that may contain lead, along with a plan for replacement, was due to the state by July 1, 2020. Known lines must be replaced as soon as possible.

More information regarding LSLI and specific data for each water system can be found on **the state web site**.

PFOA AND PFOS

PFOA and PFOS are manmade compounds used prevalently in firefighting foams and to make carpets, clothing, fabrics for furniture, paper packaging for food, cookware, and other items resistant to water, grease, fire, or stains. They are also used in a number of industrial processes. They are part of a larger group of chemicals referred to as per- and poly-fluoroalkyl substances (PFAS).

In early 2020, DDW announced lower response levels for PFOA and PFOS (10 ppt for PFOA, and 40 ppt for PFOS) from the previous level of 70 ppt combined. The notification levels (5.1 ppt for PFOA, and 6.5 ppt for PFOS) were not changed.

Knowing that these are constituents of emerging concern, Cal water had already identified and tested water sources that would be more likely to have these compounds present by 2019. With the updated response levels, we voluntarily conducted additional testing for these constituents in all of our water systems.

Studies indicate that long-term exposure to PFOA and PFOS over certain levels could have adverse health effects, including developmental effects to fetuses during pregnancy or infants; cancer; or impacts on liver, immunity, thyroid, and other functions. Potential health impacts related to PFAS compounds are still being studied, and research is still evolving on this issue.

Although there is no Maximum Contaminant Level (MCL) set for these substances, we have proactively monitored sources and will continue to do so. Even though it is not required by the state, we believe it is the right thing to do. When an MCL is established by DDW for these compounds, we will continue to ensure our water sources are in compliance with any set standard.

While we are doing our part to treat the water and meet the standards the public health experts have set, it's important that our population as a whole focuses on being good stewards of the environment and takes steps to prevent impacting the water supply.

Additionally, Cal Water has filed a lawsuit against a group of companies that manufactured and sold firefighting foam products that released the PFOA and PFOS into the environment, to ensure the responsible parties bear the costs of treating for these chemicals, not our customers. We are also encouraging the EPA to establish a consistent, science-based standard as quickly as feasible, and strongly support state legislation prohibiting the sale and use of certain products that contain PFAS and requiring the certification of accurate testing methods for PFAS.

More information on PFOA and PFOS is available on the DDW web site.

KEY DEFINITIONS

IN COMPLIANCE: Does not exceed any applicable MCL, SMCL, or action level, as determined by DDW. For some compounds, compliance is determined by averaging the results for one source over a one-year period.

LEVEL 1 ASSESSMENT: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

LEVEL 2 ASSESSMENT: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

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 (SMCLs) 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 U.S. Environmental Protection Agency.

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.

NOTIFICATION LEVEL (NL) AND RESPONSE LEVEL (RL): Health-based advisory levels for unregulated contaminants in drinking water. They are used by DDW to provide guidance to drinking water systems.

PRIMARY DRINKING WATER STANDARDS (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

PUBLIC HEALTH GOAL (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

REGULATORY ACTION LEVEL (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

TREATMENT TECHNIQUE (TT): A required process intended to reduce the level of a contaminant in drinking water.

VARIANCES AND EXEMPTIONS: Permissions from the State Water Resources Control Board (State Board) to exceed an MCL or not comply with a treatment technique under certain conditions.

STANDARD ABBREVIATIONS

AL	Action level	Max	Maximum
Min	Minimum	N/A	Not applicable
NL	Notification level	NTU	Nephelometric turbidity unit
ND	Constituent not detected		
pCi/L	Picocuries per liter (a measure of radiation)		
ppb	Parts per billion or micrograms per liter (µg/L)		
ppm	Parts per million or milligrams per liter (mg/L)		
ppq	Parts per quadrillion or picogram per liter (pg/L)		
ppt	Parts per trillion or nanograms per liter (ng/L)		
µS/cm	Microsiemens/centimeter		

TABLE INTRODUCTION

Cal Water tests your water for a large number of both regulated and unregulated contaminants. This table lists only those contaminants that were detected.

In the table, water quality test results are divided into four major sections: “Primary Drinking Water Standards,” “Secondary Drinking Water Standards,” “State-Monitored Contaminants with Notification Levels,” and “Unregulated Compounds.” Primary standards protect public health by limiting the levels of certain constituents in drinking water. Secondary standards are set for substances that don’t impact health but could affect the water’s taste, odor, or appearance. Some unregulated substances (hardness and sodium, for example) are included for your information. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, though representative, are more than one year old.

SUBSTANCE SOURCES

DI	Byproduct of drinking water disinfection
DS	Drinking water disinfectant added for treatment
EN	Naturally present in the environment
ER	Erosion of natural deposits
FE	Human and animal waste
FL	Water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
FR	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage
IC	Internal corrosion of household plumbing systems
IM	Discharge from industrial manufacturers
IO	Substances that form ions when in water
IW	Industrial waste
OC	Runoff from orchards; glass and electronics production waste
OD	Discharges of oil-drilling waste and from metal refineries
OM	Naturally occurring organic materials
RU	Runoff/leaching from natural deposits
RS	Residue from some surface water treatment processes
SO	Soil runoff
SP	Discharge from steel and pulp mills and chrome plating
SW	Seawater influence
WD	Leaching from wood preservatives
UR	Unregulated constituents with no source listed and that do not have standardized “source of substance” language

Our testing equipment is so sensitive, it can detect constituents as small as 1 part per trillion. That is equivalent to 1 inch over 15 million miles

2021 WATER QUALITY

Primary Drinking Water Standards

Microbiological	Year Tested	Unit	MCL	PHG (MCLG)	In Compliance	Distribution System-Wide Highest Monthly	Source
Total coliform[1]	2021	Positive samples	1	(0)	**Yes**	0	EN
Fecal coliform and E. coli	2021	Positive samples	1[2]	(0)	**Yes**	0	FE

Inorganic Chemicals	Year Tested	Unit	MCL	PHG (MCLG)	In Compliance	Groundwater Range	Groundwater Average	AVEK[3] Range	AVEK[3] Result	Source
Arsenic	2019–2020	ppb	10	0.004 (0)	**Yes**	ND–2.3	ND	N/A	ND	ER, OC
Fluoride	2019–2020	ppm	2	1 (4.0)	**Yes**	0.34–0.45	0.40	N/A	ND	ER, FL
Nitrite as N	2019–2020	ppm	1	1 (1)	**Yes**	ND	ND	N/A	0.85	ER, FR
Nitrate as N	2021	ppm	10	10 (10)	**Yes**	0.87–2.2	1.5	N/A	0.85	ER, FR

Lead and Copper	Year Tested	Unit	AL	PHG (MCLG)	In Compliance	Distribution System-Wide 90th Percentile	Distribution System-Wide Samples > AL	Source
Copper	2020	ppm	1.3	0.3	**Yes**	0.12	0 of 14	IC, ER, WD
Lead	2020	ppb	15	0.2	**Yes**	ND	0 of 14	IC, IM, ER
Schools that requested lead sampling in 2021: 0								

Disinfection Byproducts	Year Tested	Unit	MCL	PHG (MCLG)	In Compliance	Distribution System-Wide Range	Distribution System-Wide Highest Annual Average	Source
Haloacetic acids	2021	ppb	60	N/A	**Yes**	ND–14	5.4	DI
Total trihalomethanes	2021	ppb	80	N/A	**Yes**	ND–46	23	DI

[1] This table reflects changes in drinking water regulatory requirements during 2021. These revisions add the requirements of the federal Revised Total Coliform Rule, effective since April 1, 2016, to the existing state Total Coliform Rule. The revised 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 EPA anticipates greater public health protection as the 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. The state Revised Total Coliform Rule became effective July 1, 2021

[2] This means a routine sample and a repeat sample are total coliform-positive, and one of these is also E. coli-positive.

[3] Part of the system's water supply is purchased from Antelope Valley-East Kern (AVEK) Water Agency, provided from the Quartz Hill Plant.

2021 WATER QUALITY
(Continued)

Disinfectants	Year Tested	Unit	MRDL	MRDLG	In Compliance	Distribution System-Wide		Source
						Range	Average	
Free chlorine	2021	ppm	4	4	**Yes**	0.51–1.5	0.96	DS

Secondary Drinking Water Standards

Chemical	Year Tested	Unit	SMCL	PHG (MCLG)	In Compliance	Groundwater		AVEK		Source
						Range	Average	Range	Average/ Result	
Chloride	2019–2020	ppm	500	N/A	**Yes**	34–56	45	N/A	59	RL, SW
Color	2019–2021	UNITS	15	N/A	**Yes**	ND–3.0	ND	<5	<5	OM
Specific conductance	2019–2020	US	1600	N/A	**Yes**	440–610	525	470–480	480	SW, IO
Odor	2019–2021	T.O.N.	3	N/A	**Yes**	ND	ND	<1	<1	OM
Sulfate	2019–2020	ppm	500	N/A	**Yes**	39–69	54	N/A	74	RL, IW
Total dissolved solids	2019–2020	ppm	1000	N/A	**Yes**	260–360	310	N/A	260	RL
Turbidity (groundwater)	2019–2021	NTU	5	N/A	**Yes**	ND–0.18	0.15	0.02–0.2	0.05	SO
Zinc	2019–2020	ppm	5	N/A	**Yes**	ND	ND	N/A	650	RL, IW

State Monitored Contaminants with Notification Levels

Chemical	Year Tested	Unit	NL	PHG (MCLG)	In Compliance	Groundwater		AVEK		Source
						Range	Average	Range	Average	
Chromium (hexavalent)[1]	2021	ppb	N/A	0.02	N/A	7.2–12	9.1	N/A	N/A	UR

[1] The previous MCL of 0.010 mg/L (10 ppb) for hexavalent chromium was withdrawn on September 11, 2017, and there is currently no MCL in effect. A draft MCL of 10 ppb was released in 2022. The state recommends that any hexavalent chromium results above the detection limit of 1 ppb still be reported.

2021 WATER QUALITY
(Continued)

Unregulated Compounds

Chemical	Year Tested	Unit	MCL	PHG (MCLG)	In Compliance	Groundwater		AVEK		Source
						Range	Average	Range	Average/ Result	
Alkalinity (total)	2019–2020	ppm	N/A	N/A	N/A	110–130	120	N/A	47	UR
Calcium	2019–2020	ppm	N/A	N/A	N/A	18–34	26	N/A	26	UR
Hardness (total)	2019–2020	ppm	N/A	N/A	N/A	61–120	91	N/A	74	UR
Magnesium	2019–2020	ppm	N/A	N/A	N/A	4.0–8.3	6.2	N/A	2.3	UR
Sodium	2019–2020	ppm	N/A	N/A	N/A	72–80	76	N/A	60	UR
pH	2021	STD U	N/A	N/A	N/A	6.6–8.4	7.4	7.0–7.5	7.2	UR

THANK YOU.

Thanks for taking the time to learn more about your water quality!

Even more information awaits you at www.calwater.com.
Visit our web site to get information about your account, water-use history, water rates, and water system.

You will also find water-saving tips and news about water conservation programs and rebates available in your area.

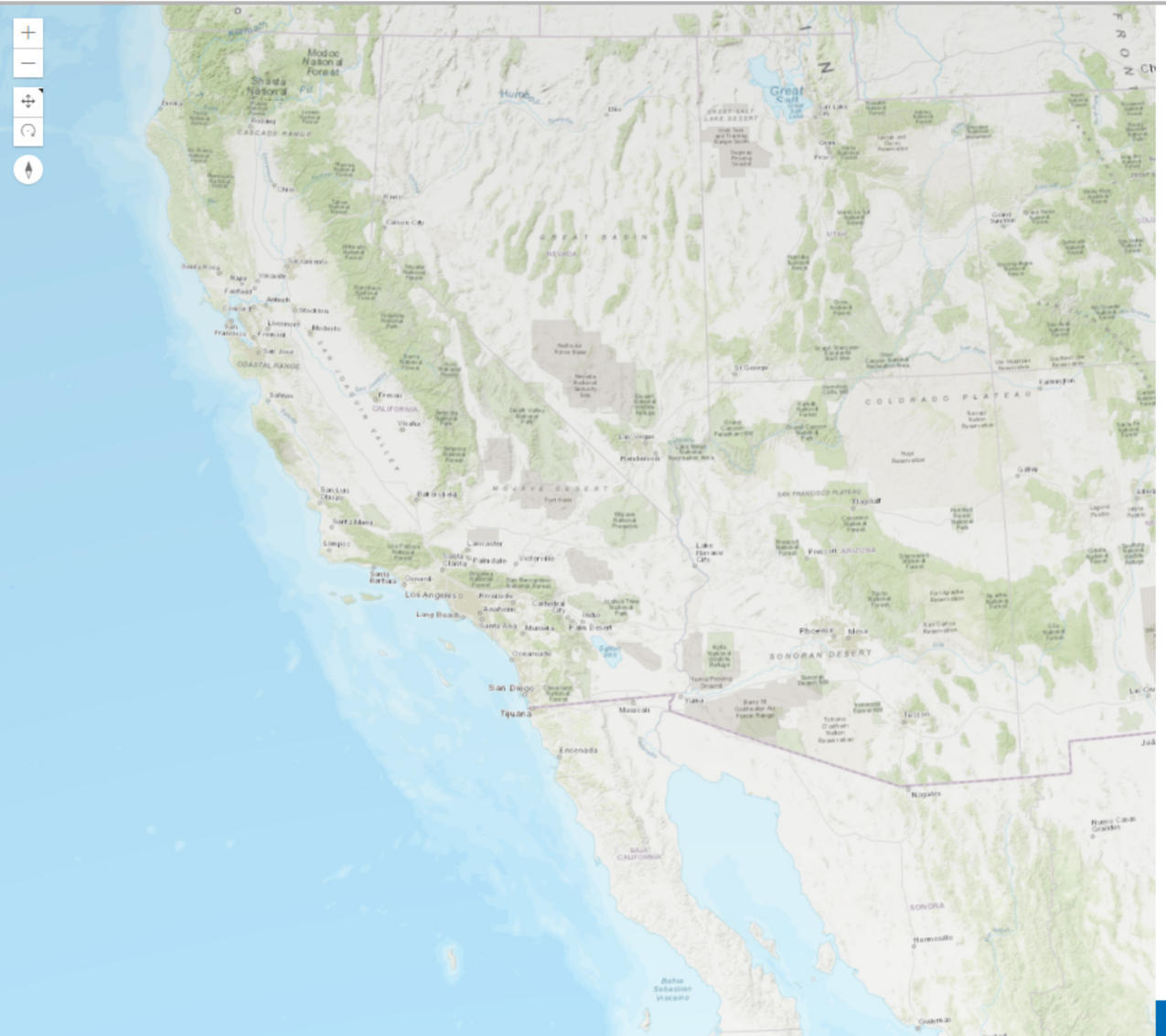
CALIFORNIA WATER SERVICE™

Quality. Service. Value.®

- Conservation resources
- Lead in water
- Water treatment and disinfection
- Protecting the water supply

LAN

Select Search Type: Find a Facility | Name | Street: J | City: Lancaster | Zip | RECLAIM | TITLE V | SEARCH



SEARCH RESULTS

25 Results

Street: J | City: Lancaster | Clear all Filters | Sort: Status

193233
Facility Name LANCASTER HOMES (SENIOR HOUSING)
Facility Address: 711 W JACKMAN ST, LANCASTER, CA 93534
Status: ACTIVE

109730
Facility Name MOBIL DLR, MOBIL MINI MART
Facility Address: 101 E J AVE, LANCASTER, CA 93535

66299
Facility Name LANCASTER SCHOOL DIST
Facility Address: 747 W J-12 AVE, LANCASTER, CA 93534

55524
Facility Name HOPKINS DEVELOPMENT CO
Facility Address: 2033 W J AVE, LANCASTER, CA

68195
Facility Name LA CO. INTERNAL SERVICES DEPT
Facility Address: 1040 W J AVE, LANCASTER, CA 93534

42893
Facility Name SAV-MOR OIL CO
Facility Address: 8841 E J AVE, LANCASTER, CA 93535

18723
Facility Name SAV-MOR OIL CO
Facility Address: 8859 E J AVE, LANCASTER, CA 90036

48070
Facility Name JACOBS OIL CO INC
Facility Address: 560 W J ST, LANCASTER, CA 93534

37384
Facility Name MOBIL OIL CORP
Facility Address: 505 W J AVE, LANCASTER, CA 93534

18954
Facility Name SHELL DLR, B & H ENTER. Y
Facility Address: 560 W J ST, LANCASTER, CA 93535

Export all records to Excel

1 2 3 > >>

Summary

AIN: 3203-034-004 4

Situs Address:
VAC/AVE J/92 STW
DEL SUR CA 93536-0000

Use Type: Vacant Land
Parcel Type: Regular Fee Parcel
Tax Rate Area: 02418

Parcel Status: **ACTIVE**
Create Date:
Delete Date:
Tax Status: **CURRENT**
Year Defaulted:
Exemption: None

Building & Land Overview
Use Code: 580V
Design Type:
Quality Class:

# of Units:
Beds/Baths: /
Building SqFt: 0

Year Built:
Effective Year:
Land SqFt: 424,380


(https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=3203-034)

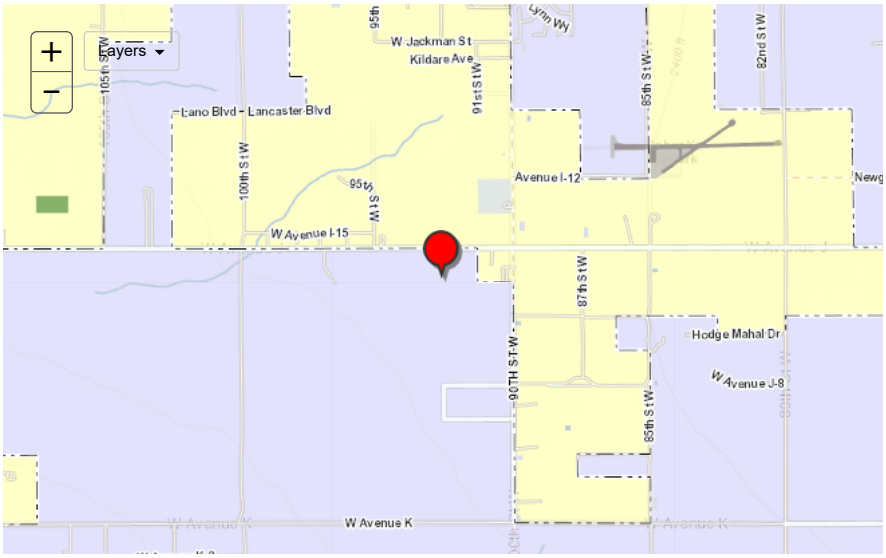
Parcel Map (https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=3203-034) / Map Index (https://maps.assessor.lacounty.gov/GeoCortex/Essentials/PAIS/REST/sites/PAIS/VirtualDirectory/AssessorMaps/ViewMap.html?val=3203-NDX)

	2023 Roll Preparation		2022 Current Roll	RC	Year		1986 Base Value
$	53,197	$	52,154	P	1986	$	27,803
$	0	$	0	G	1986	$	0
$	53,197	$	52,154			$	27,803

Assessor's Responsible Division
District: Lancaster Office
Region: A1
Cluster: 01026 DEL SUR

Lancaster Office (https://maps.google.com/?q=251+E.+Avenue+K+6+Lancaster%2C+CA+93535)
251 E. Avenue K 6
Lancaster, CA 93535

Phone: (661) 940-6700
Toll Free: 1 (888) 807-2111
M-F 7:30 am to 5:00 pm



Building and Land Characteristics

Land Information

Use Code = 580V (Vacant Land)

Total SqFt (GIS):	0
Total SqFt (PDB):	424,380
Usable SqFt:	4,111
Acres:	
Land W' x D':	330 x 1,286
Sewers:	No
Flight Path:	No
X-Traffic:	No
Freeway:	No
Corner Lot:	No
Golf Front:	No
Horse Lot:	No
View:	None
Zoning:	(Refer Issuing Agency)
Code Split:	No
Impairment:	None

Situs Address:
VAC/AVE J/92 STW DEL SUR CA 93536-0000

Legal Description *(for assessment purposes)*:
E 1/2 OF E 1/2 OF N 40 ACS OF THAT PART (EX OF ST) OF NE 1/4 LYING W OF W LINE OF E 1155 FT OF NE 1/4 OF SEC 19 T 7N R 13W

Use Code: 580V (Vacant Land)
5 = Dry Farm
8 = Desert
0 = Unused or Unknown Code (No Meaning)
V = Vacant Land

Building Information

SUBPART:
Design Type:
Quality Class:

# of Units:
Beds/Baths: /
Building SqFt: 0

Year Built:
Effective Year:
Depreciation: / /

RCN Other: $ 0
RCN Other Trended: $ 0
Year Change:

Design Type:
=
=
=
=

SUMMARY: ***Total***

# of Units: 0
Beds/Baths: 0/0
Building SqFt: 0
Avg SqFt/Unit:

Events History

Ownership () Parcel Change ()

Show Re-Assessable Only: ☐

Recording Date	Seq. #	Re-Assessed	# Parcels	%	Ver. Code	DTT Sale Price	Assessed Value
10/12/1999	50	No	1	00%-0	1	$ 9	$ 36,017
06/30/1986	50	Yes	1	50%-2	K	$ 0	$ 27,803
09/14/1978	50	Yes	1	00%-0	1	$ 60,000	$ 0
08/02/1978	50	Yes	4		4	$ 19,000	$ 0

Assessment History

Show All: ☐ **Hide Inactive Rolls:** ☐ Showing 1 to 10 of 42 entries.

Bill Number	Bill Type	Bill Status	Date to Auditor	Recording Date	Total Value	Land Value	Improvement Value
223-PSEG				10/12/1999	$ 53,197	$ 53,197	$
2220000	R	A	07/26/2022	10/12/1999	$ 52,154	$ 52,154	$ 0
2210000	R	A	07/06/2021	10/12/1999	$ 51,132	$ 51,132	$ 0
2200000	R	A	07/06/2020	10/12/1999	$ 50,608	$ 50,608	$ 0
2190000	R	A	07/01/2019	10/12/1999	$ 49,616	$ 49,616	$ 0
2180000	R	A	07/19/2018	10/12/1999	$ 48,644	$ 48,644	$ 0
2170000	R	A	06/26/2017	10/12/1999	$ 47,691	$ 47,691	$ 0
2160000	R	A	07/05/2016	10/12/1999	$ 46,756	$ 46,756	$ 0
2150000	R	A	06/23/2015	10/12/1999	$ 46,054	$ 46,054	$ 0
2140000	R	A	06/24/2014	10/12/1999	$ 45,152	$ 45,152	$ 0

« 1 2 3 4 5 »

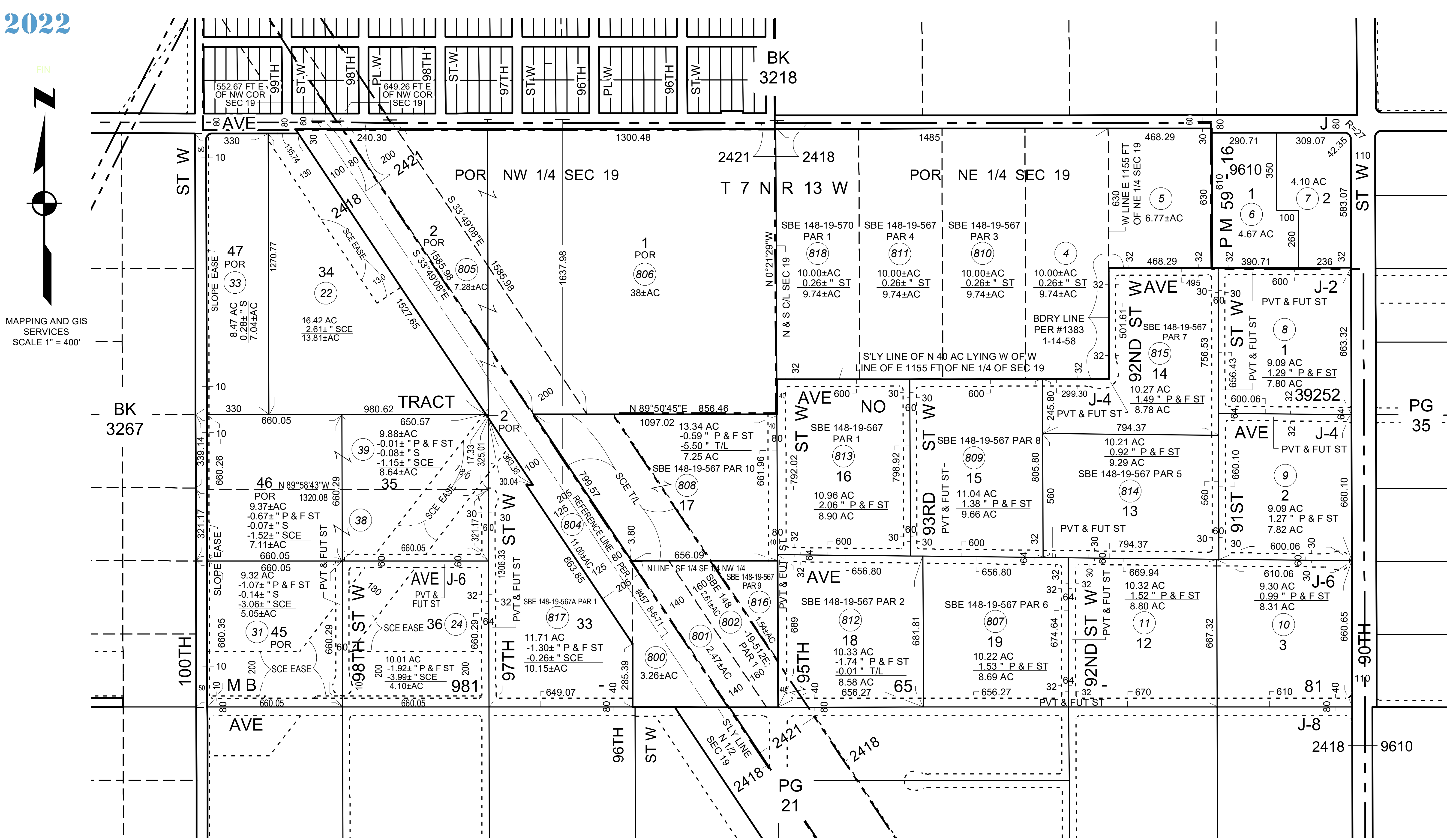
PDB Effective Date: 05/02/2023

(https://facebook.com/LACAssessor) (https://www.twitter.com/LACASSESSOR) (https://www.linkedin.com/company/los-angeles-county-office-of-the-assessor) (https://youtube.com/u

3203	34 SHEET	P. A. 3203-21 & 34	TRA 9610 2418 2421	REVISED 1999091603012001-A1 2009051402010001-A1	2010102802-A1 2012100902004001-A1 2014123002013001-A1	2016061602013001-A1 2017030822-A1 2017082205-A1	2021101321003001-A1 2021101321005001-A1		SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

2022

MAPPING AND GIS SERVICES
SCALE 1" = 400'



FOR FLOOD HAZARD RESTRICTIONS AND DIMENSIONS ON PRIVATE AND FUTURE STREETS, SEE MB 981-65-81

Date Printed: 10/19/2021 3:32:30 PM
Date Saved: 10/6/2021 2:47:53 PM

Date Submitted

5/17/2023

City of Lancaster

PUBLIC RECORDS REQUEST

****Be Advised – the City of Lancaster is not responsible for birth, death, marriage or court records; please contact the Los Angeles County Registrar/Recorder and/or the appropriate Courthouse to request those types of records.**

Pursuant to the Public Records Act, upon receiving a request for public records, the City "shall, within 10 days from receipt of the request, determine whether the request, in whole or in part, seeks copies of disclosable public records."

Preferred Method of Delivery *

Email

Please be advised if records are requested to be printed and picked up and/or mailed, copy costs and postage charges will apply.

Requester Contact Information

First Name *

Brooklynn

Last Name *

Marcus

Company

Partner Engineering and Science

Address

Street Address:

2154 Torrance Blvd

City:

Torrance

State:

CA

Zip Code:

90501

Email *

bamarcus@partneresi.com

Confirm Email *

bamarcus@partneresi.com

Telephone *

310-294-0700

Record Information

Records Requested *

Please be specific in the records being sought. Use of ‘any and all’ is strongly discouraged and may require clarification in order to process your request, thus delaying delivery of the requested records.***Do not provide your social security number or date of birth when requesting records.**

Building records and certificates of occupancy for APN: 3203-034-004

Upload Additional Details

Search By Keyword

7 sites found

Luna Storage, LLC
44030 100TH ST W
LANCASTER CA 93536

Luna Storage and Gen Tie to Big Sky
44030 100TH STREET WEST
LANCASTER CA 93536

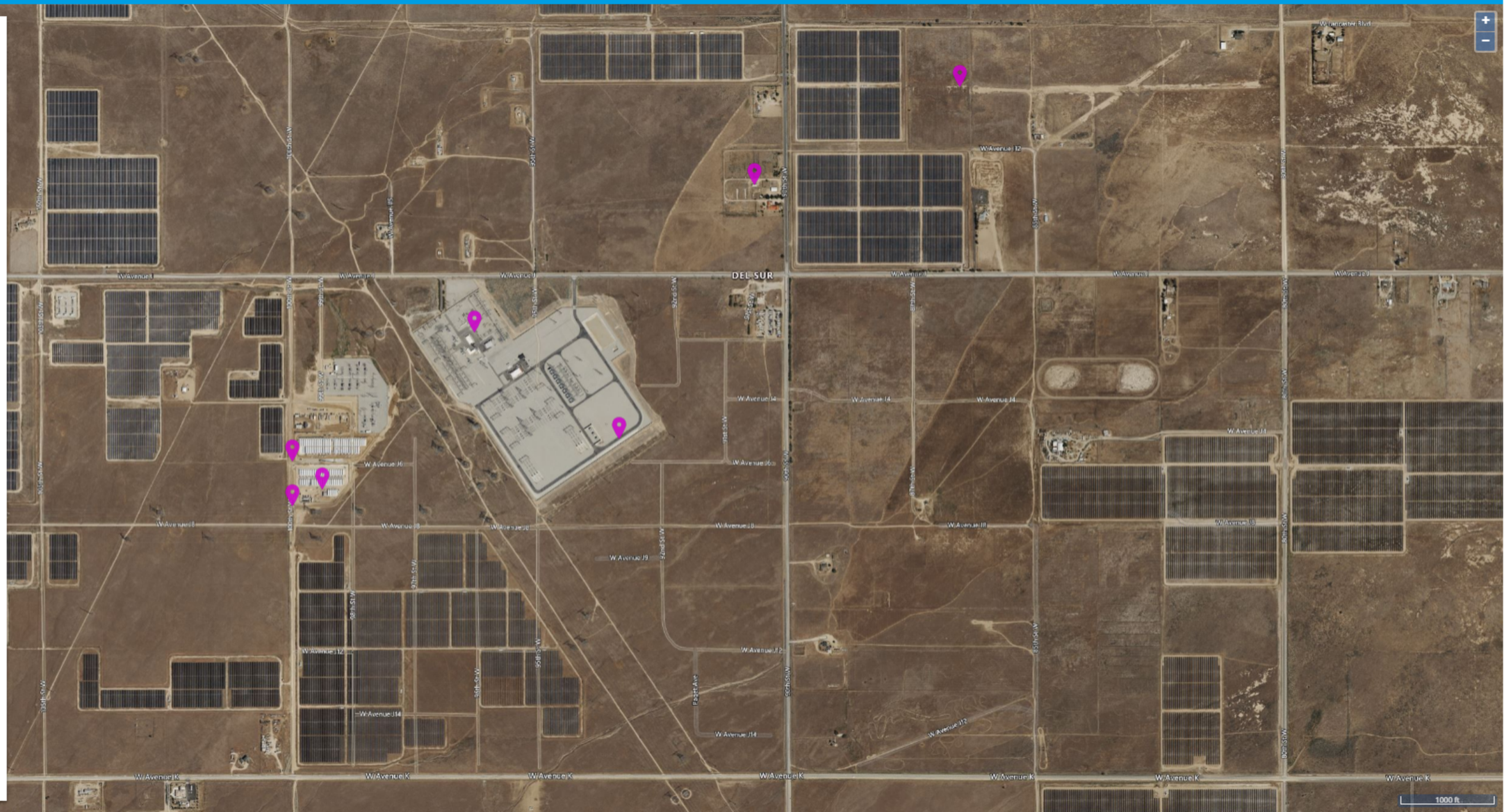
Lancaster Area Battery Storage, LLC
44106 100TH ST W
LANCASTER CA 93536

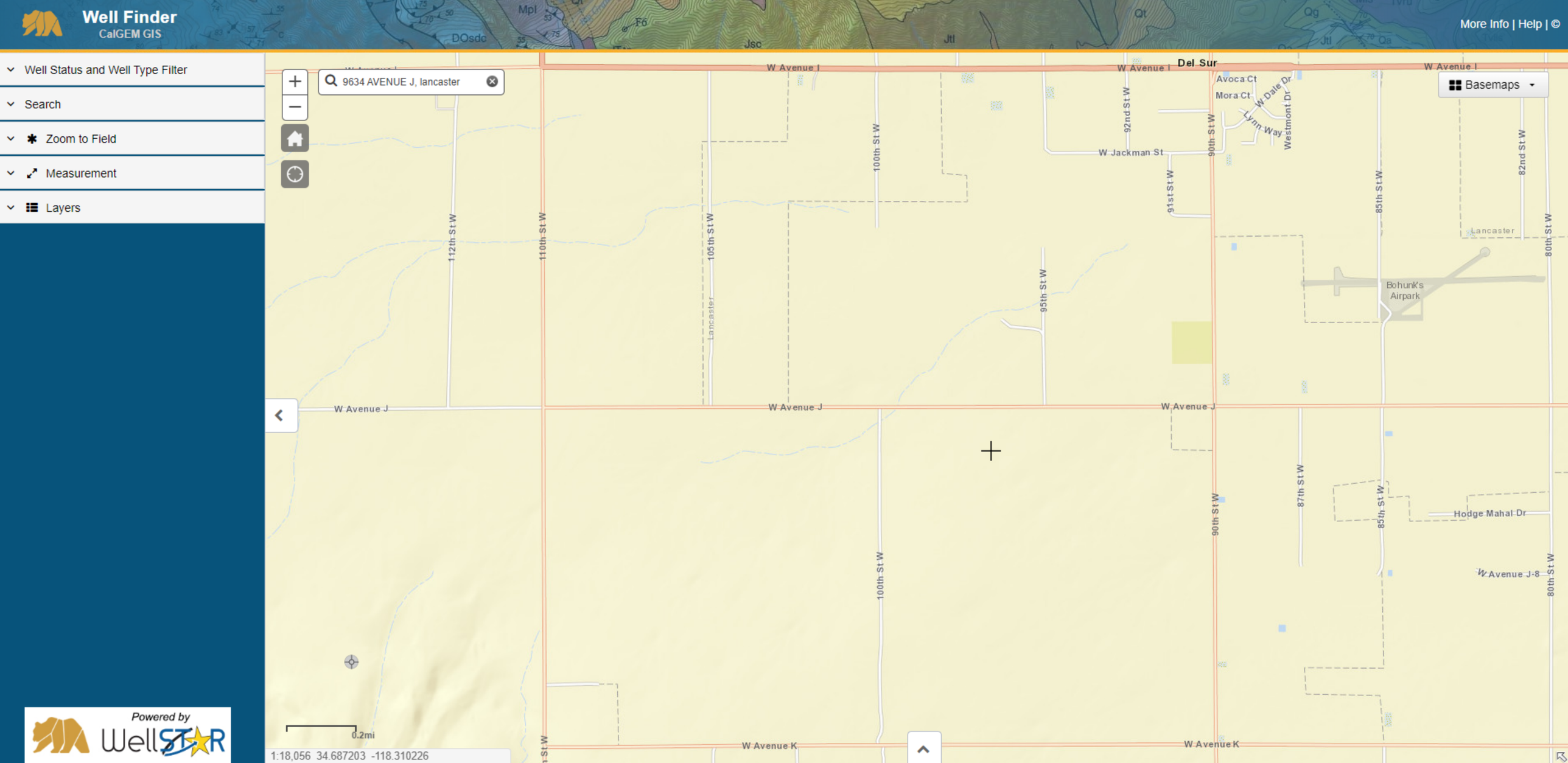
SCE - ANTELOPE SUBSTATION
9634 WEST AVENUE J
LANCASTER CA 93534

SCE Antelope Substation
9634 W AVENUE J
LANCASTER CA 93534

TTC 90th Street
44505 90TH STREET WEST
LANCASTER CA 93536

BOHUNK'S AIRPARK
UNKNOWN
LANCASTER CA 93534




Well Finder
CalGEM GIS
More Info | Help | ©
Well Status and Well Type Filter
Search
Zoom to Field
Measurement
Layers
9634 AVENUE J, lancaster
Basemaps
Del Sur
W Avenue I
W Avenue J
W Avenue K
W Jackman St
Avoca Ct
Mora Ct
W Dale Dr
Lynn Way
Westmont Dr
92nd St W
90th St W
91st St W
85th St W
82nd St W
80th St W
112th St W
110th St W
105th St W
100th St W
95th St W
87th St W
89th St W
Lancaster
Bohunk's Airpark
Hodge Mahal Dr
W Avenue J-8
0.2mi
1:18,056 34.687203 -118.310226
Powered by WellSTAR

ENVIROSTOR

Enter an address | Map Address

Sites and Facilities

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

STATUS: All Statuses

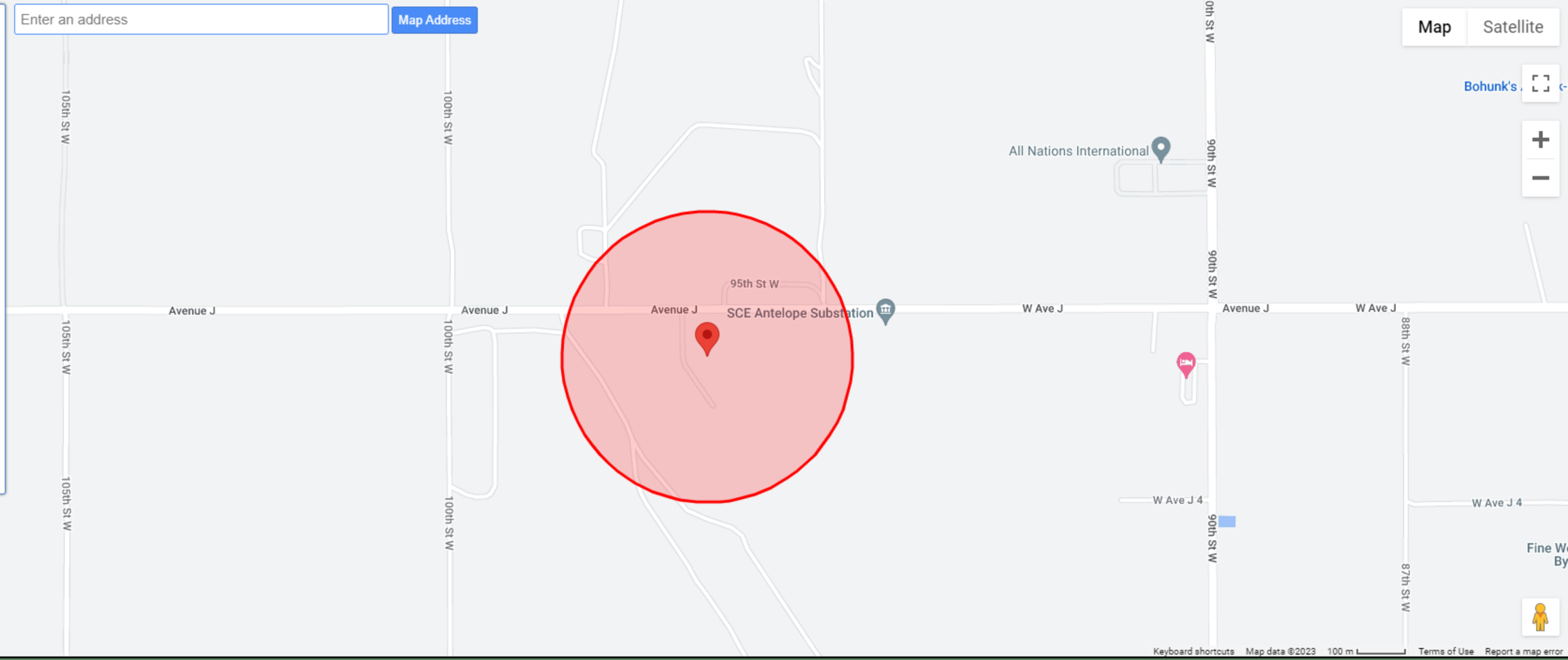
Permitted Sites
- Operating
- Post-Closure
- Non-Operating

Other Sites

GIS Layers

Tools

TAKE A TOUR | SHARE THIS MAP



SITES FOUND IN SEARCH RADIUS — 0 SITES LISTED — EXPORT THIS LIST TO EXCEL

PROJECT NAME	STATUS	PROJECT TYPE	ADDRESS	CITY

H059519-051123 - HHMD Records Request

Message History (2)

On 5/11/2023 4:16:40 PM, LACoFD wrote:

Subject: HHMD No File Responsive :: H059519-051123
Body:

RE: PRA of May 11, 2023, Reference # H059519-051123.

Dear Staff Assessor Brooklynn Marcus,

The Los Angeles County Fire Department, Health Hazardous Materials Division, being the custodian or keeper of records, certify that a thorough search for the records you requested has been carried out.

Re: VAC/AVE J/92 STW

Del Sur CA 93536

The search revealed that your noted address did not match our database.

It should be understood that this does not mean that the records you requested do not exist. It is possible that such records may be misfiled; exist under another spelling, another name, or may have been destroyed based on this Department's Record Retention Policy. However, with the information furnished to our office, and to the best of our knowledge, no records were located.

For businesses in Burbank, Culver
City, Downey, City of LA, La Habra, Monrovia, Pasadena, Santa Monica, Torrance
& Underground Storage Tanks in Los Angeles County jurisdiction click here.

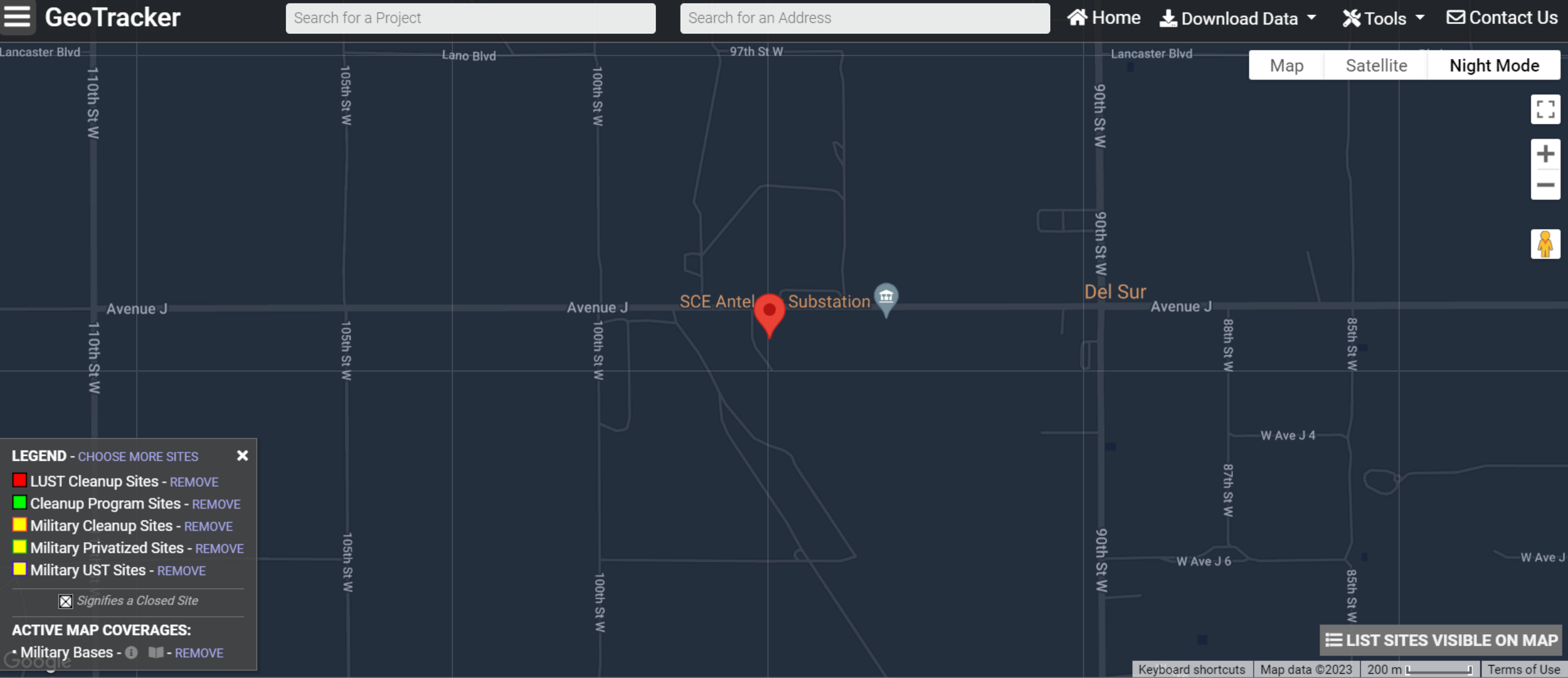
Los Angeles County Fire Department

Health Hazardous Materials Division

Site Administrator

On 5/11/2023 4:16:40 PM, Brooklynn Marcus wrote:

Request Created on Public Portal


GeoTracker
Search for a Project
Search for an Address
Home
Download Data
Tools
Contact Us
Map
Satellite
Night Mode
Lancaster Blvd
Lancaster Blvd
Lano Blvd
97th St W
110th St W
105th St W
100th St W
90th St W
90th St W
Avenue J
Avenue J
Avenue J
SCE Antel
Substation
Del Sur
88th St W
85th St W
W Ave J 4
87th St W
W Ave J 6
W Ave J
LEGEND - CHOOSE MORE SITES
LUST Cleanup Sites - REMOVE
Cleanup Program Sites - REMOVE
Military Cleanup Sites - REMOVE
Military Privatized Sites - REMOVE
Military UST Sites - REMOVE
Signifies a Closed Site
ACTIVE MAP COVERAGES:
• Military Bases - REMOVE
LIST SITES VISIBLE ON MAP
Keyboard shortcuts
Map data ©2023
200 m
Terms of Use

COUNTY OF LOS ANGELES
Public Health

BARBARA FERRER, Ph.D., M.P.H., M.Ed.
Director

MUNTU DAVIS, M.D., M.P.H.
County Health Officer

MEGAN McCLAIRE, M.S.P.H.
Chief Deputy Director

RITA SINGHAL, M.D., M.P.H.
Director, Disease Control Bureau

LUCILLE RAYFORD, Ph.D., R.N.
DPH Nursing Director

MARILYN SMITH, M.P.H.
Chief, Public Health Investigation

5555 Ferguson Drive Suite 120-04
Commerce, CA 90022
TEL (323) 659-6148 ● FAX (323) 728-0217

www.publichealth.lacounty.gov

PARTNER ENGINEERING AND SCIENCE, INC

,

BAMARCUS@PARTNERESI.COM

May 15, 2023

Dear: PARTNER ENGINEERING AND SCIENCE, INC,

SUBJECT: Request- APN 3203-034-004

I, the undersigned, being the Custodian of Records, certify that a thorough search of our files, carried out under my direction and control, revealed no records as named in your request for records.

It is to be understood that this does not mean that records do not exist under another spelling, another name, or under another classification, but that with the information furnished to our office, and to the best of our knowledge, no such records exist in our files. Also, note that the DPH reserves the right to assert all applicable privileges/doctrines and exemptions.

If you have any questions, please contact me at (323) 718-0773.

Sincerely,

Yvonne Curtis

Yvonne Curtis, Deputy Health Officer
Public Health Investigation

COR ID No. 232285

PUBLIC HEALTH INVESTIGATION
CUSTODIAN OF RECORDS
REQUEST FOR PUBLIC RECORDS

TEL 323 659-6148 **FAX (323) 728-0217**

Complete the Custodian of Records Request for Public Records Form in blue or black ink, or type.

If you have any questions about completing the form call (323) 659-6148

Submit your request to Public Health Investigation, Custodian of Records Office to Fax Number (323) 728-0217, Email to phicor@ph.lacounty.gov, or mail to:

Public Health Investigation
5555 Ferguson Drive Suite 120-04
Commerce, CA 90022

***Required Information**

REQUESTOR INFORMATION		
Name *		Brooklynn Marcus
Address *		2154 Torrance Blvd
City *		Torrance
State *		CA
Zip *		90501
Telephone No. *		310 294 0700
Fax No.		
Website/Email		bamarcus@partneresi.com

CONTACT PERSON INFORMATION ***(If different from Requestor)***		
Name		
Telephone No.		

DELIVERY OF RECORDS ***(If different from Requestor)***		
Address		Email
City		
Zip		

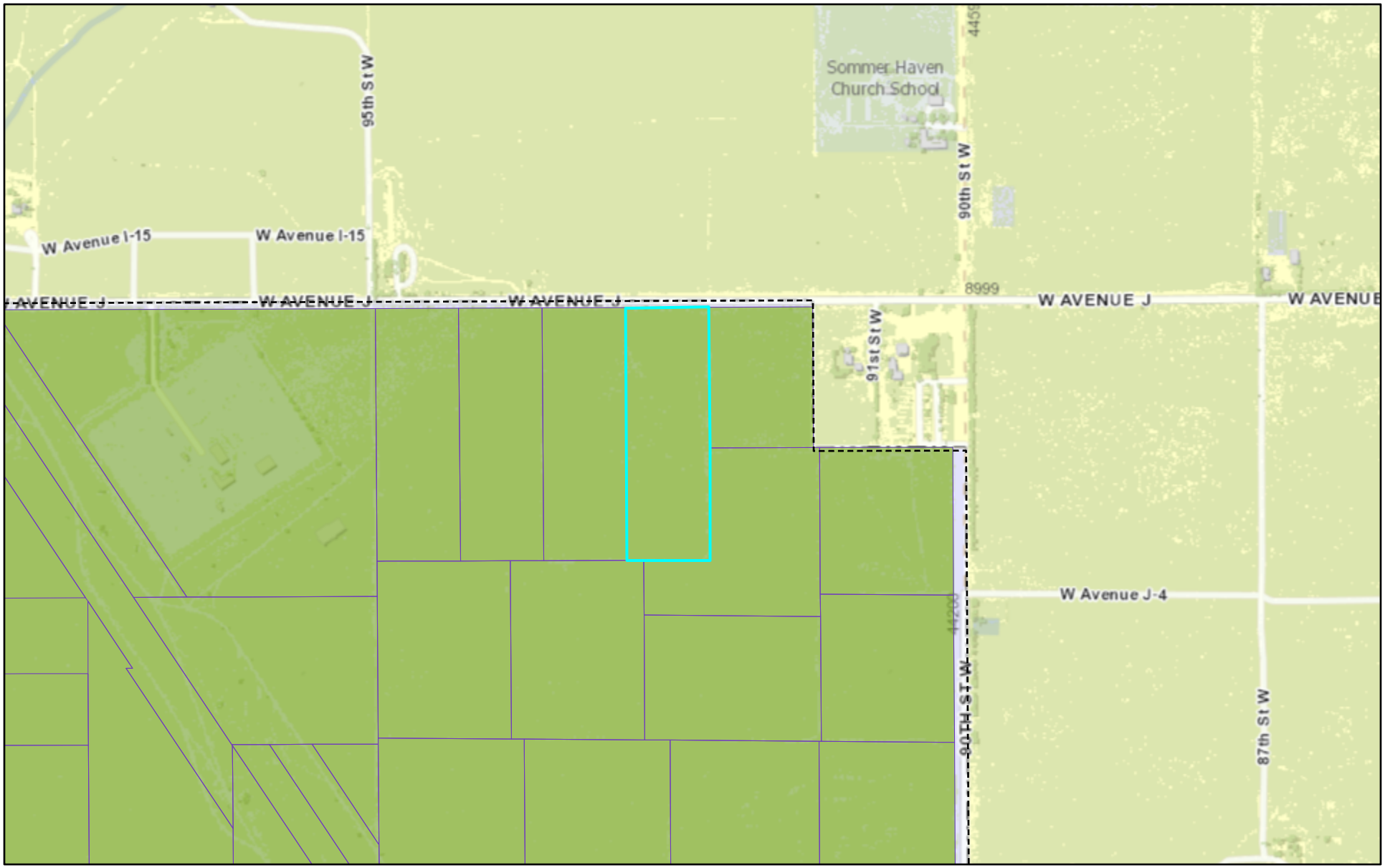
RECORD INFORMATION Type of Record * *(Choose only one per request)*

ENVIRONMENTAL HEALTH DISTRICT SURVEILLANCE		**ENVIRONMENTAL HEALTH PROTECTION**		**ALL OTHERS**			
Apartment, Condo, Home Inspections		*Beaches*		*Animal Bite Report*			
Apartment, Condo, Home and Institution Lead Inspections		*Landfills*	✔	*Medical Marijuana ID*			
Food Borne Outbreak		*Public Swimming Pools*					
Food Poisoning		*Recycled Water*					
Food Vehicles		*Residential Pools*					
Motels and Hotel Inspection		*Septic Tanks*	✔				
Retail Food Inspection		*Sewage*	✔				
Schools and Day Care Inspection		*Water Wells*					
Street Vendor							

Other Type of Record:		USTs and Hazardous Materials

REQUEST INFORMATION ***(Provide as much information possible)***		
Incident Date/Time		Earliest- Most Recent
Incident/Food Borne Illness/Outbreak Summary No.		
Type of Disease		
Inspector Name (If known)		
Incident Location		APN: 3203-034-004
Owner Name		
Victim/Patient/Complainant Name		
Date of Birth		
Medical Record No.		
Location of Records		

City of Lancaster Parcel Viewer



5/18/2023, 9:49:11 AM

Parcels

Zoning Designation

RR-2.5

1:9,028

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

LA County

City of Lancaster

APPENDIX C: REGULATORY DATABASE REPORT

DATABASE REPORT

Project Property:	*J90* *APN 3203-034-004* *LANCASTER CA*
Project No:	*23-403689.3*
Report Type:	*Database Report*
Order No:	*23051000807*
Requested by:	*Partner Engineering and Science, Inc.*
Date Completed:	*May 11, 2023*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:		*J90* *APN 3203-034-004 LANCASTER CA*
Project No:		*23-403689.3*
Coordinates:		
	Latitude:	*34.6867846*
	Longitude:	*-118.1541632*
	UTM Northing:	*3,839,327.00*
	UTM Easting:	*381,387.89*
	UTM Zone:	*11S*
Elevation:		*2,441 FT*

Order Information:

Order No:	*23051000807*
Date Requested:	*May 10, 2023*
Requested by:	*Partner Engineering and Science, Inc.*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Vapor Screening Tool	*Vapor Screening Tool*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**1**	0	-	-	**1**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	**1**	0	-	-	**1**
UST SWEEPS	Y	0.25	0	**1**	0	-	-	**1**
AST	Y	0.25	0	**2**	0	-	-	**2**
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	**1**	0	-	-	**1**
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	**1**	0	-	-	**1**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								
SML LA	Y	0.5	0	0	0	0	-	0
SWF LA COUNTY	Y	0.5	0	0	0	0	-	0
CUPA LA COUNTY	Y	0.25	0	**2**	0	-	-	**2**
HMS LA	Y	0.25	0	**2**	0	-	-	**2**
UST SANTAFESP	Y	0.25	0	0	0	-	-	0
UST LONGB	Y	0.25	0	0	0	-	-	0
CUPA BURBANK	Y	0.25	0	0	0	-	-	0
UST ELSEGUNDO	Y	0.25	0	0	0	-	-	0
UST SANTA MONICA	Y	0.25	0	0	0	-	-	0
AST SANTAMON	Y	0.25	0	0	0	-	-	0
CUPA SANTAMON	Y	0.25	0	0	0	-	-	0
UST TORRANCE	Y	0.25	0	0	0	-	-	0
UST VERNON	Y	0.25	0	0	0	-	-	0
CUPA VERNON	Y	0.25	0	0	0	-	-	0
UST LA CITY	Y	0.25	0	0	0	-	-	0
AST LA CITY	Y	0.25	0	0	0	-	-	0
HAZMAT LA CITY	Y	0.125	0	0	-	-	-	0
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
PFAS SAMPLING	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	0	-	-	-	0
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	**2**	**2**	-	-	**4**
CDL	Y	0.125	0	0	-	-	-	0

Tribal ***No Tribal additional environmental record sources available for this State.***

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
County								
HAZMAT SANTAMON	Y	0.125	0	0	-	-	-	0
HAZ WST SANTAMON	Y	0.125	0	0	-	-	-	0
Total:			0	**13**	**2**	0	0	**15**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	AST		9634 AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	28	21
1	HMS LA		9364 W AVENUE J LANCASTER CA 93536	W	0.03 / 179.24	28	21
1	HHSS	ANTELOPE SUBSTATION	9364 WEST AVE. J LANCASTER CA 93534	W	0.03 / 179.24	28	21
1	EMISSIONS	SCE- ANTELOPE SUBSTATION	9634 WEST AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	28	21
1	CERS TANK	SCE Antelope Substation	9634 W AVENUE J LANCASTER CA 93534 ***Site ID:*** 155104	W	0.03 / 179.24	28	23
1	HIST TANK	ANTELOPE SUBSTATION	9364 WEST AVE. J LANCASTER CA	W	0.03 / 179.24	28	27
1	RCRA NON GEN	SOUTHERN CALIFORNIA EDISON ANTELOPE SUBSTATION	9634 W AVENUE J LANCASTER CA 93536-7737 ***EPA Handler ID:*** CAL000331602	W	0.03 / 179.24	28	27
1	EMISSIONS	SCE - ANTELOPE SUBSTATION	9634 WEST AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	28	28
1	CUPA LA COUNTY	SCE ANTELOPE SUBSTATION	9634 AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	28	30
1	UST SWEEPS	SOUTHERN CALIF EDISON CO	9364 W AVE J LANCASTER CA ***C C | Status:*** A19-000-11553 | ACTIVE ***Tank ID:*** 000001	W	0.03 / 179.24	28	30
2	HMS LA		44505 90TH ST WEST LANCASTER CA 935367705	ENE	0.08 / 425.79	-14	30
3	AST		90TH E / AVE J LANCASTER CA 93536	E	0.12 / 656.86	-18	30

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
3	CUPA LA COUNTY	SCE Piute Substation	N/E C/O E Ave J & 90th St LANCASTER CA 93535	E	0.12 / 656.86	-18	31
4	EMISSIONS	BIG SKY SUBSTATION (T9 EXPANSION)	44358 100TH STREET WEST LANCASTER CA 93536	WSW	0.23 / 1,188.84	47	31
4	EMISSIONS	BIG SKY SUBSTATION	44358 100TH STREET WEST LANCASTER CA 93536	WSW	0.23 / 1,188.84	47	31

Executive Summary: Summary by Data Source

Standard

Federal

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 23, 2023 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTHERN CALIFORNIA EDISON ANTELOPE SUBSTATION	9634 W AVENUE J LANCASTER CA 93536-7737	W	0.03 / 179.24	1
	***EPA Handler ID**: CAL000331602*			

State

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 1 HHSS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ANTELOPE SUBSTATION	9364 WEST AVE. J LANCASTER CA 93534	W	0.03 / 179.24	1

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 1 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SOUTHERN CALIF EDISON CO	9364 W AVE J LANCASTER CA	W	0.03 / 179.24	1
	***C C*	*Status**: A19-000-11553	ACTIVE* ***Tank ID**: 000001*		

AST - Aboveground Storage Tanks

A search of the AST database, dated Aug 31, 2009 has found that there are 2 AST site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	9634 AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	90TH E / AVE J LANCASTER CA 93536	E	0.12 / 656.86	3

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Apr 12, 2023 has found that there are 1 CERS TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCE Antelope Substation	9634 W AVENUE J LANCASTER CA 93534 ***Site ID**: 155104*	W	0.03 / 179.24	1

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 1 HIST TANK site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ANTELOPE SUBSTATION	9364 WEST AVE. J LANCASTER CA	W	0.03 / 179.24	1

County

CUPA LA COUNTY - Los Angeles County - CUPA Program Records

A search of the CUPA LA COUNTY database, dated Mar 25, 2020 has found that there are 2 CUPA LA COUNTY site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCE ANTELOPE SUBSTATION	9634 AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	1

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCE Piute Substation	N/E C/O E Ave J & 90th St LANCASTER CA 93535	E	0.12 / 656.86	3

HMS LA - Los Angeles County - HMS List

A search of the HMS LA database, dated Mar 1, 2023 has found that there are 2 HMS LA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	9364 W AVENUE J LANCASTER CA 93536	W	0.03 / 179.24	1

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	44505 90TH ST WEST LANCASTER CA 935367705	ENE	0.08 / 425.79	2

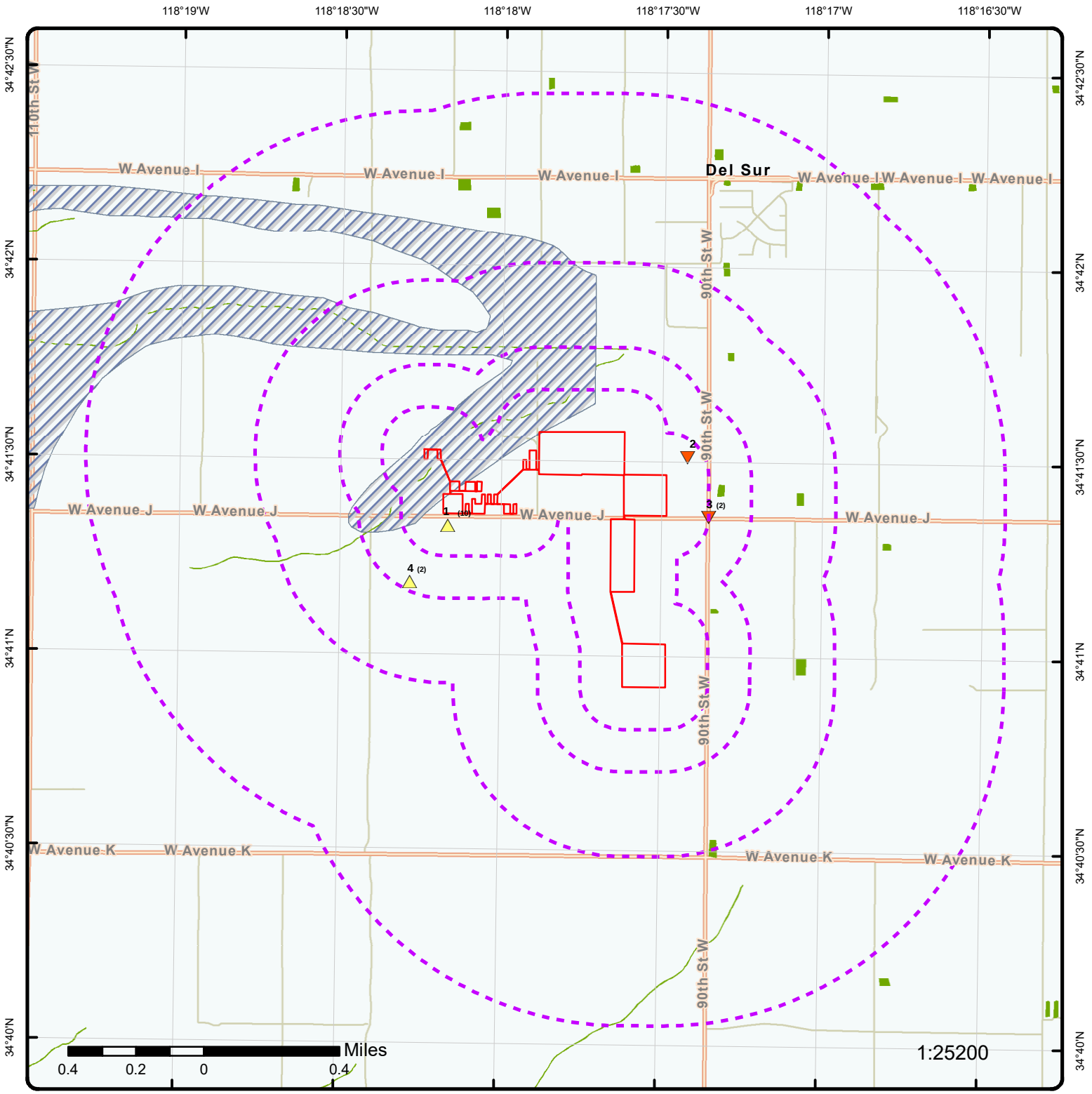
Non Standard

State

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2020 has found that there are 4 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCE - ANTELOPE SUBSTATION	9634 WEST AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	1
SCE- ANTELOPE SUBSTATION	9634 WEST AVENUE J LANCASTER CA 93534	W	0.03 / 179.24	1
BIG SKY SUBSTATION (T9 EXPANSION)	44358 100TH STREET WEST LANCASTER CA 93536	WSW	0.23 / 1,188.84	4
BIG SKY SUBSTATION	44358 100TH STREET WEST LANCASTER CA 93536	WSW	0.23 / 1,188.84	4



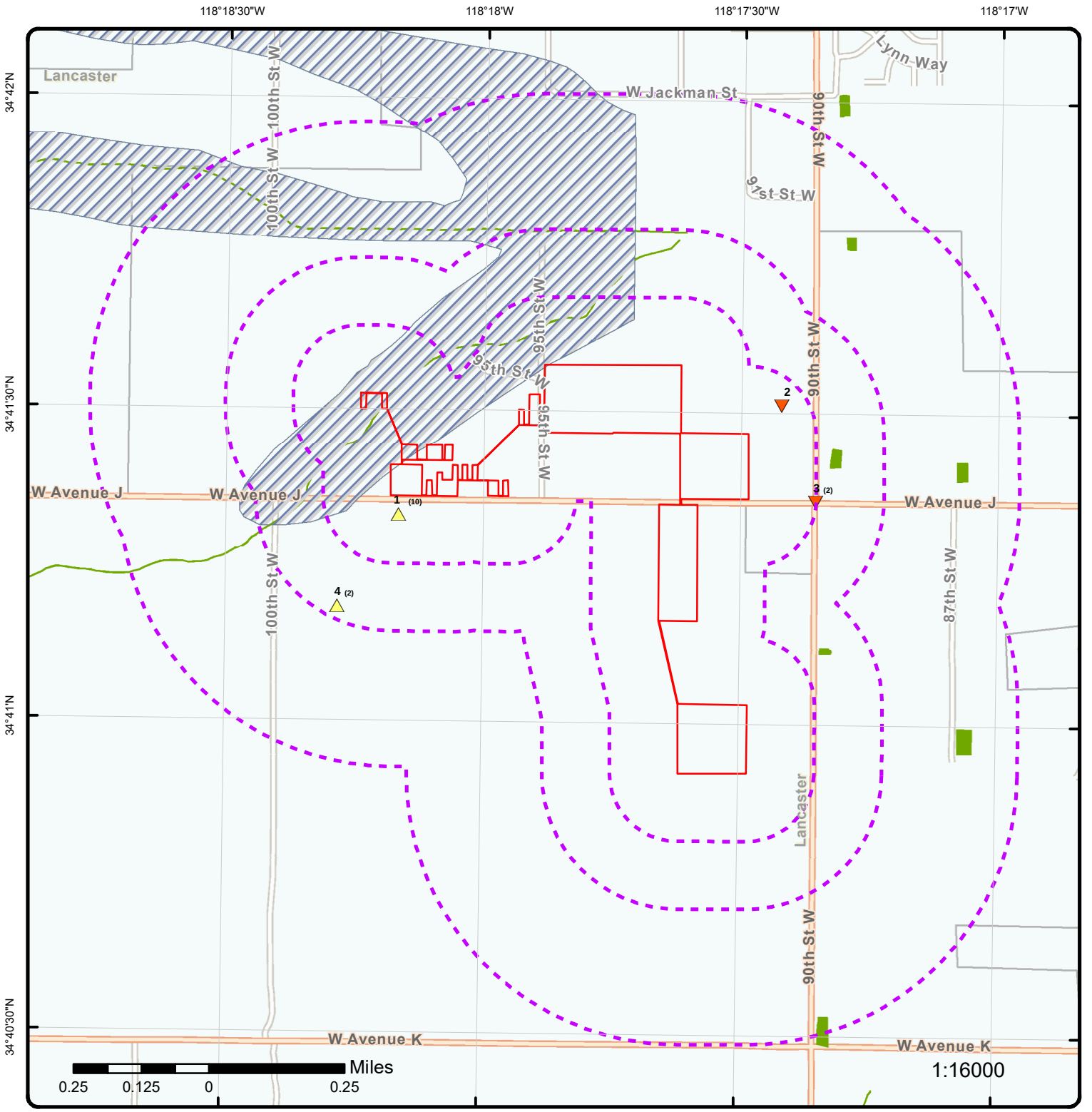
Map: 1.0 Mile Radius

Order Number: 23051000807

Address: APN 3203-034-004, LANCASTER, CA

ERIS

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

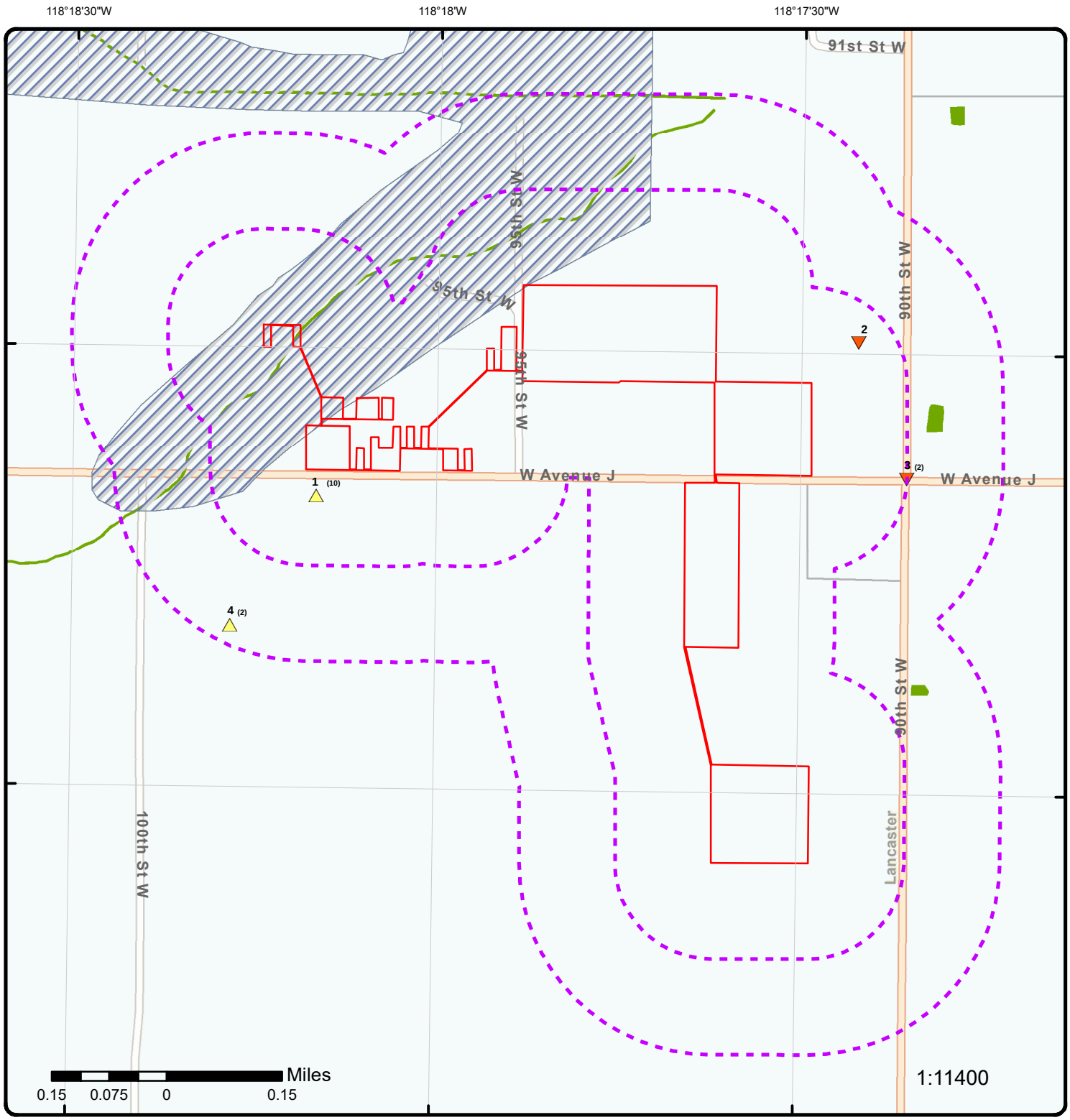


Map: 0.5 Mile Radius

Order Number: 23051000807

Address: APN 3203-034-004, LANCASTER, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



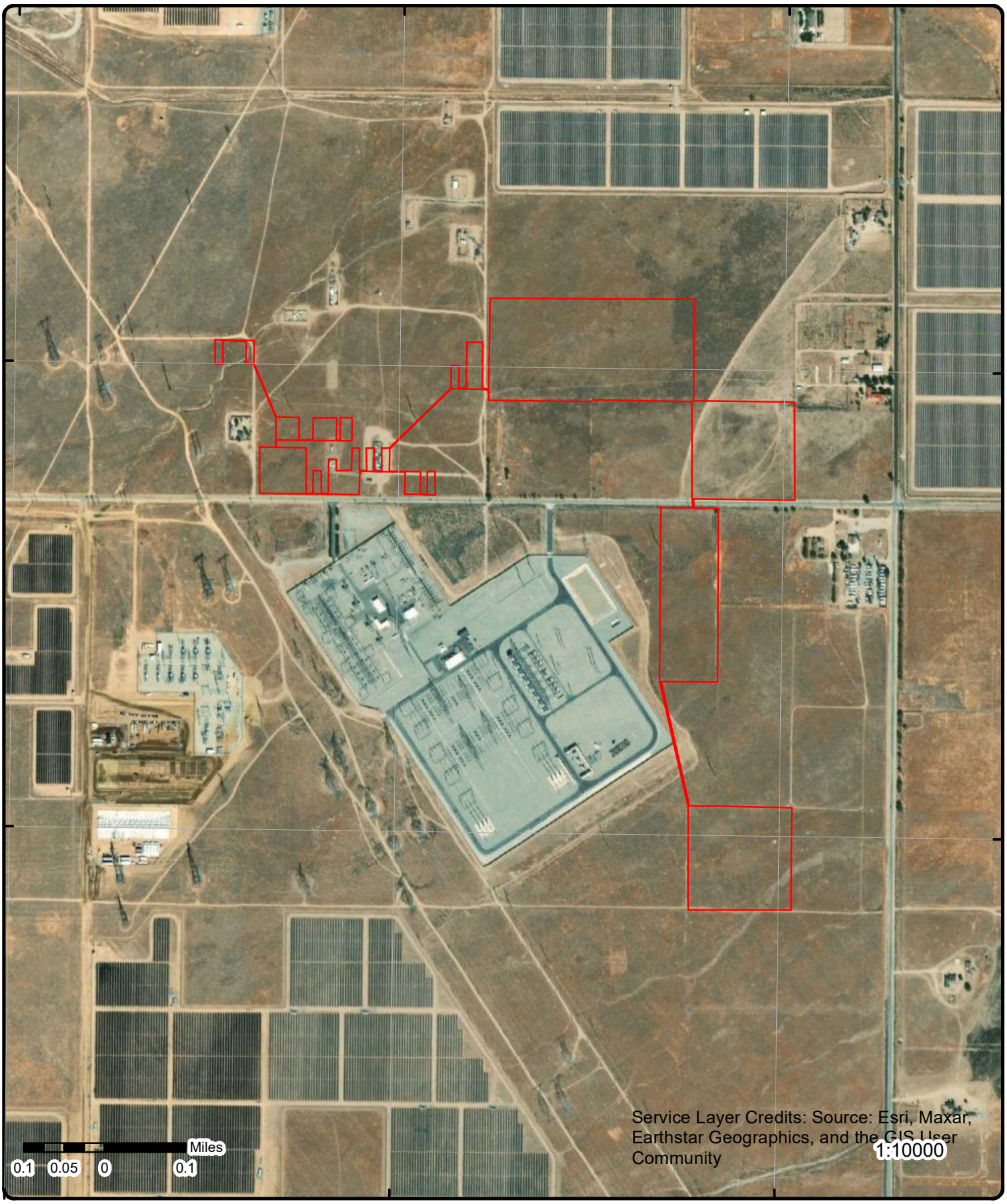
Map: 0.25 Mile Radius

Order Number: 23051000807

Address: APN 3203-034-004, LANCASTER, CA

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- Plume
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

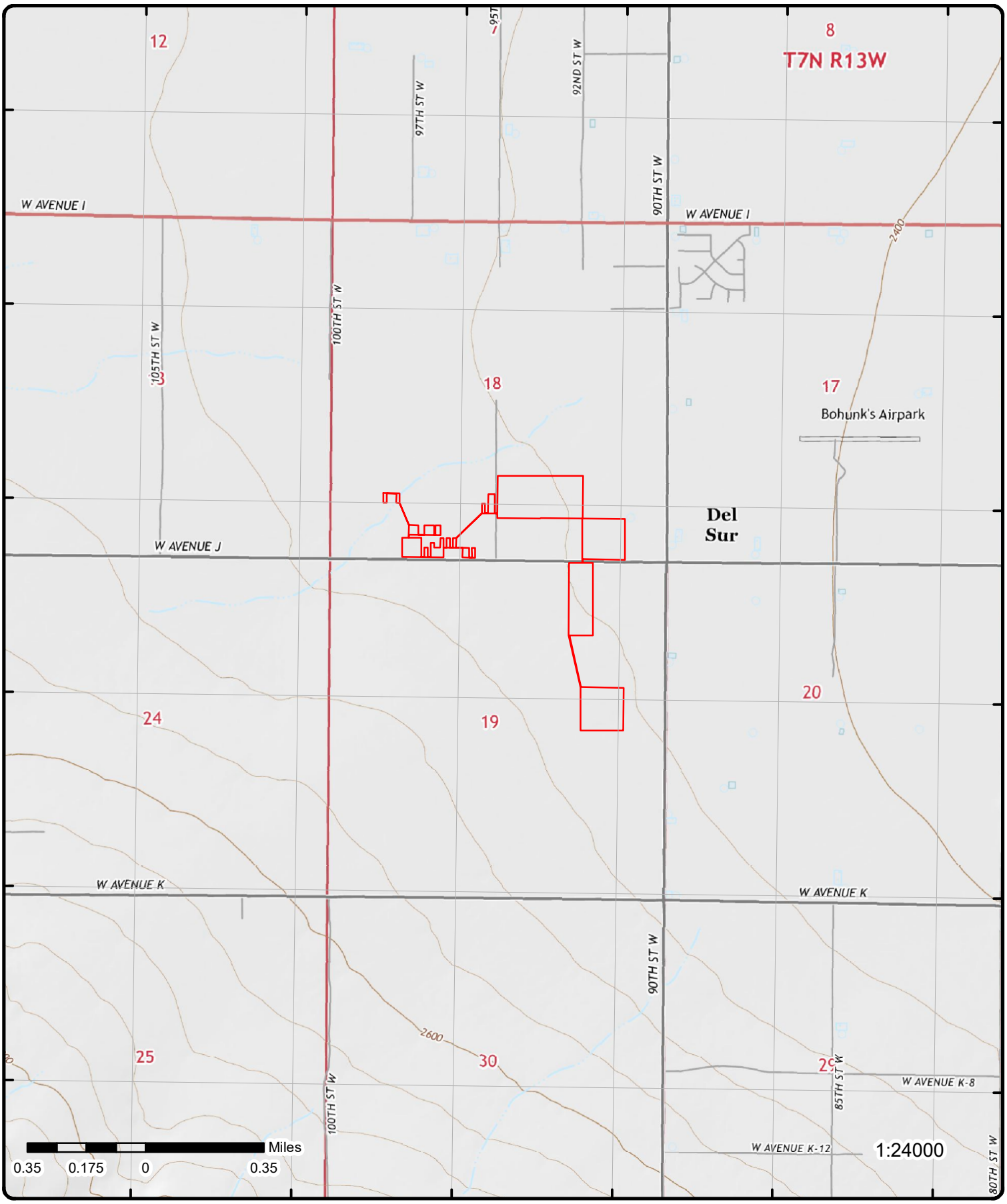


Aerial **Year: 2021**

Order Number: 23051000807

Address: APN 3203-034-004, LANCASTER, CA

Source: ESRI World Imagery



Topographic Map

Year: 2015

Order Number: 23051000807

Address: APN 3203-034-004, CA

Quadrangle(s): Del Sur, CA

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 10	W	0.03 / 179.24	2,469.54 / 28	9634 AVENUE J LANCASTER CA 93534	AST

Total Capacity(Gal): 3703
Owner Name: SO CAL EDISON (ANTELOPE) SUB
CUPA: Los Angeles County
County: Los Angeles

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 10	W	0.03 / 179.24	2,469.54 / 28	9364 W AVENUE J LANCASTER CA 93536	HMS LA

Site No: 011508
Area: 4B

Detail Info

Permit No: 00003108T
Status: Equipment Removed
Permit Status: Equipment Removed
File No: 011553
Permit Category: Underground Storage Tank
File Name: SOUTHERN CALIFORNIA EDISON CO
Permit Type: Underground Storage Tank Operating Permit

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	3 of 10	W	0.03 / 179.24	2,469.54 / 28	ANTELOPE SUBSTATION 9364 WEST AVE. J LANCASTER CA 93534	HHSS

County:
Tank Details Microfiche: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00028728.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	4 of 10	W	0.03 / 179.24	2,469.54 / 28	SCE- ANTELOPE SUBSTATION 9634 WEST AVENUE J LANCASTER CA 93534	EMISSIONS

2011 Criteria Data

Facility ID: 6903228
CERR Code:
Facility SIC Code: 4931
TOGT: .0053218
CO: 19
ROGT: .00472204392
Air Basin: MD
COT: .0143848
District: AV
NOXT: .0667751
COID: LA
SOXT: .0007845
DISN: ANTELOPE VALLEY AQMD
PMT: .004694
CHAPIS:
PM10T: .0046233992

2011 Toxic Data

Facility ID: 6903228
COID: LA
Facility SIC Code: 4931
DISN: ANTELOPE VALLEY AQMD
CO: 19
CHAPIS:
Air Basin: MD
CERR Code:
District: AV

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2012 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.0053218
CO:	19	***ROGT:***	.0040052232
Air Basin:	MD	***COT:***	.0143848
District:	AV	***NOXT:***	.0667751
COID:	LA	***SOXT:***	.0007845
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.004694
CHAPIS:		***PM10T:***	.0039364976

2012 Toxic Data

Facility ID:	6903228	***COID:***	LA
Facility SIC Code:	4931	***DISN:***	ANTELOPE VALLEY AQMD
CO:	19	***CHAPIS:***	
Air Basin:	MD	***CERR Code:***	
District:	AV		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2013 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.0053218
CO:	19	***ROGT:***	.0040052232
Air Basin:	MD	***COT:***	.0143848
District:	AV	***NOXT:***	.0667751
COID:	LA	***SOXT:***	.0007845
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.004694
CHAPIS:		***PM10T:***	.0039364976

2013 Toxic Data

Facility ID:	6903228	***COID:***	LA
Facility SIC Code:	4931	***DISN:***	ANTELOPE VALLEY AQMD
CO:	19	***CHAPIS:***	
Air Basin:	MD	***CERR Code:***	
District:	AV		

TS:
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:

2014 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.069375
CO:	19	***ROGT:***	.0609459375
Air Basin:	MD	***COT:***	.0433916
District:	AV	***NOXT:***	.3195958
COID:	LA	***SOXT:***	.0005423
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.08843
CHAPIS:		***PM10T:***	.08630768

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

2014 Toxic Data

Facility ID:	6903228	***COID:***	LA
Facility SIC Code:	4931	***DISN:***	ANTELOPE VALLEY AQMD
CO:	19	***CHAPIS:***	
Air Basin:	MD	***CERR Code:***	
District:	AV		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2015 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.069375
CO:	19	***ROGT:***	.0609459375
Air Basin:	MD	***COT:***	.0433916
District:	AV	***NOXT:***	.3195958
COID:	LA	***SOXT:***	.0005423
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.08843
CHAPIS:		***PM10T:***	.08630768

2015 Toxic Data

Facility ID:	6903228	***COID:***	LA
Facility SIC Code:	4931	***DISN:***	ANTELOPE VALLEY AQMD
CO:	19	***CHAPIS:***	
Air Basin:	MD	***CERR Code:***	
District:	AV		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2016 Criteria Data

Facility ID:	6903228	***CERR CODE:***	
Facility SIC Code:	4931	***TOGT:***	.069375
CO:	19	***ROGT:***	.0609459375
Air Basin:	MD	***COT:***	.0433916
District:	AV	***NOXT:***	.3195958
COID:	LA	***SOXT:***	.0005423
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.08843
CHAPIS:		***PM10T:***	.08630768

2016 Toxic Data

Facility ID:	6903228	***TS:***	7.71
Facility SIC Code:	4931	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	LA	***AH Index:***	
CO:	19	***Air Basin:***	MD
DISN:	ANTELOPE VALLEY AQMD	***District:***	AV
CHAPIS:			

1	***5 of 10***	***W***	***0.03 / 179.24***	***2,469.54 / 28***	***SCE Antelope Substation 9634 W AVENUE J LANCASTER CA 93534***	***CERS TANK***

Site ID:	155104
Latitude:	34.687590
Longitude:	-118.300200

Regulated Programs

EI ID: 10190025
EI Description: Aboveground Petroleum Storage

EI ID: 10190025
EI Description: Chemical Storage Facilities

EI ID: 10190025
EI Description: Hazardous Waste Generator

Evaluations

Eval Date: 02/05/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alvaro Camas No Hazardous waste violations observed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/27/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alvaro Camas, Environmental Advisor; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/02/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alvaro Camas, Facility Environmental Specialist - No hazardous materials handler violations observed on-site at time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/05/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Alvaro Camas No Hazardous materials violations observed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/27/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department

Eval Program: APSA
Eval Source: CERS
Eval Notes:

Alvaro Camas, Environmental Advisor; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/02/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Alvaro Camas, Facility Environmental Specialist - No APSA violations observed on-site at time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 11/02/2018
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alvaro Camas, Facility Environmental Specialist - No hazardous waste violations observed on-site at time of inspection.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 02/05/2016
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: APSA
Eval Source: CERS
Eval Notes:

Alvaro Camas No AST violations observed.; Note: data in [EVAL Notes] field for some records is truncated from the source.

Eval Date: 10/27/2021
Violations Found: No
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS
Eval Notes:

Alvaro Camas, Environmental Advisor; Note: data in [EVAL Notes] field for some records is truncated from the source.

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
City: Rosemead
State: CA
Country:
Zip Code: 91770
Phone:

Affil Type Desc:	Operator
Entity Name:	Southern California Edison
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	(626) 302-1212

Affil Type Desc:	Legal Owner
Entity Name:	Southern California Edison
Entity Title:	
Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
City:	Rosemead
State:	CA
Country:	United States
Zip Code:	91770
Phone:	(626) 302-1212

Affil Type Desc:	CUPA District
Entity Name:	Los Angeles County Fire
Entity Title:	
Address:	5825 Rickenbacker Road
City:	Commerce
State:	CA
Country:	
Zip Code:	90040-3027
Phone:	(323) 890-4000

Affil Type Desc:	Property Owner
Entity Name:	Southern California Edison
Entity Title:	
Address:	P.O. Box 5085 (Attn: ESD, Programs & Governance)
City:	Rosemead
State:	CA
Country:	United States
Zip Code:	91770
Phone:	(626) 302-1212

Affil Type Desc:	Identification Signer
Entity Name:	Mark Landin
Entity Title:	Senior Advisor
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Parent Corporation
Entity Name:	Southern California Edison, Transmission and Distribution Organization (TD)
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Affil Type Desc:	Document Preparer
Entity Name:	Mark Landin
Entity Title:	
Address:	
City:	
State:	
Country:	
Zip Code:	
Phone:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc: Environmental Contact
Entity Name: Environmental Notification Center
Entity Title:
Address: P.O. Box 5085 (Attn: ESD, Programs & Governance)
City: Rosemead
State: CA
Country:
Zip Code: 91770
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	6 of 10	W	0.03 / 179.24	2,469.54 / 28	ANTELOPE SUBSTATION 9364 WEST AVE. J LANCASTER CA	HIST TANK

Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Owner Street: 2244 WALNUT GROVE AVENUE
Owner City: ROSEMEAD
Owner State: CA
Owner Zip: 91770
No of Containers: 1
County: LOS ANGELES
Facility State: CA
Facility Zip: 93534

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	7 of 10	W	0.03 / 179.24	2,469.54 / 28	SOUTHERN CALIFORNIA EDISON ANTELOPE SUBSTATION 9634 W AVENUE J LANCASTER CA 93536-7737	RCRA NON GEN

EPA Handler ID: CAL000331602
Gen Status Universe: No Report
Contact Name: SARA M. DUVALL
Contact Address: P.O. BOX 800 , , ROSEMEAD , CA, 91770 ,
Contact Phone No and Ext: 626-862-8458
Contact Email: SARA.DUVALL@SCE.COM
Contact Country:
County Name: LOS ANGELES
EPA Region: 09
Land Type:
Receive Date: 20080411
Location Latitude: 34.687386
Location Longitude: -118.300334

Violation/Evaluation Summary

Note: NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20080411
Handler Name:	SOUTHERN CALIFORNIA EDISON ANTELOPE SUBSTATION
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	P.O. BOX 800
Name:	SARA M. DUVALL	***Street 2:***	
Date Became Current:		***City:***	ROSEMEAD
Date Ended Current:		***State:***	CA
Phone:	626-862-8458	***Country:***	
Source Type:	Implementer	***Zip Code:***	91770
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	PO BOX 800
Name:	SOUTHERN CALIFORNIA EDISON	***Street 2:***	
Date Became Current:		***City:***	ROSEMEAD
Date Ended Current:		***State:***	CA
Phone:	626-862-8458	***Country:***	
Source Type:	Implementer	***Zip Code:***	91770-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	8 of 10	W	0.03 / 179.24	2,469.54 / 28	SCE - ANTELOPE SUBSTATION 9634 WEST AVENUE J LANCASTER CA 93534	EMISSIONS

2017 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.00433125
CO:	19	***ROGT:***	.003805003125
Air Basin:	MD	***COT:***	.002709043
District:	AV	***NOXT:***	.019953149
COID:	LA	***SOXT:***	.0000343
DISN:	ANTELOPE VALLEY AQMD	***PMT:***	.0055209
CHAPIS:		***PM10T:***	.000390727

2017 Toxic Data

Facility ID:	6903228	***COID:***	LA
Facility SIC Code:	4931	***DISN:***	ANTELOPE VALLEY AQMD
CO:	19	***CHAPIS:***	
Air Basin:	MD	***CERR Code:***	
District:	AV		
TS:	.12		
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	6903228	***CERR Code:***	
Facility SIC Code:	4931	***TOGT:***	.00433125
CO:	19	***ROGT:***	.003805003125
Air Basin:	MD	***COT:***	.002709043
District:	AV	***NOXT:***	.019953149
COID:	LA	***SOXT:***	.0000343

DISN: ANTELOPE VALLEY AQMD
PMT: .00039308551307847082494969818913480885 3118
CHAPIS:
PM10T: .000390727

2018 Toxic Data

Facility ID: 6903228
Facility SIC Code: 4931
CO: 19
Air Basin: MD
District: AV
TS: .12
Health Risk Asmt:
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
COID: LA
DISN: ANTELOPE VALLEY AQMD
CHAPIS:
CERR Code:

2019 Criteria Data

CO: 19
Air Basin: MD
Facility ID: 3228
District: AV
Facility SIC Code: 4931
CO ID: LA
DISN: ANTELOPE VALLEY AQMD
PM10T: .000390727
TOGT: .00433125
PMT: .000393085513078470824949698189134808853118
CHAPIS:
CERR Code:
ROGT: .003805003125
COT: .002709043
NOXT: .019953149
SOXT: .0000343

2019 Toxic Data

CO: 19
Air Basin: MD
Faccility ID: 3228
District: AV
Facility SIC Code: 4931
COID: LA
Non-Cancer Chronic Haz Ind:
Non-Cancer Acute Haz Ind:
DISN: ANTELOPE VALLEY AQMD
CHAPIS:
CERR Code:
TS: .12
Health Risk Asmt:

2020 Criteria Data

CO: 19
Air Basin: MD
Facility ID: 3228
District: AV
Facility SIC Code: 4931
CO ID: LA
DISN: ANTELOPE VALLEY AQMD
TOGT: .00825313
PMT: .000393085513078470824949698189134808853118
PM10T: .000390727
CHAPIS:
CERR Code:
ROGT: .007726883125
COT: .002709043
NOXT: .019953149
SOXT: .0000343

2020 Toxic Data

CO: 19
Air Basin: MD
Facility ID: 3228
District: AV
Facility SIC Code: 4931
COID: LA
Non-Cancer Chronic Haz Ind:
DISN: ANTELOPE VALLEY AQMD
CHAPIS:
CHERR Code:
TS: .12
Health Risk Asmt:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Non-Cancer Acute Haz Ind:						
1	9 of 10	W	0.03 / 179.24	2,469.54 / 28	SCE ANTELOPE SUBSTATION 9634 AVENUE J LANCASTER CA 93534	CUPA LA COUNTY

Facility ID: FA0004197
CERS ID: 10190025

Active Facility Details

PE: 3701

PE: 1000

PE: 3004

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	10 of 10	W	0.03 / 179.24	2,469.54 / 28	SOUTHERN CALIF EDISON CO 9364 W AVE J LANCASTER CA	UST SWEEPS

C C: A19-000-11553
BOE: 44-009353
Comp: 11553
Status: ACTIVE
No of Tanks: 1
Jurisdict: LOS ANGELES COUNTY
Agency: WASTE MANAGEMENT DEPARTMENT
Phone:

D Filename: SITE04A
Page No: 402
County: LOS ANGELES
State : CA
Zip:
Latitude: 34.689184
Longitude: -118.306977
Georesult: S5HPNTSC-A

Tank Details

Tank ID: 000001
O Tank ID:
SWRCB No: 19-000-011553-000001
Removed:
Installed:
A Date: 06-30-89
Capac:
Tank Use: UNKNOWN

S Contain:
Stg: W
Storage :
Storag Type: WASTE
P Contain:
Content:
ONA:
D File Name: TANK4A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	ENE	0.08 / 425.79	2,427.60 / -14	44505 90TH ST WEST LANCASTER CA 935367705	HMS LA

Site No: 037877
Area: 4

Detail Info

Permit No: 000972823
Permit Status: Equipment Permitted
Permit Category: Industrial Waste Permit
Permit Type: Operating Industrial Waste Permit - Local Sewer

Status: Equipment Permitted
File No: 069468
File Name: TARZANA TREATMENT CENTERS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of 2	E	0.12 / 656.86	2,423.41 / -18	90TH E / AVE J LANCASTER CA 93536	AST

Total Capacity(Gal): 3702
CUPA: Los Angeles County

Owner Name: SO CAL EDISON (PIUTE)
County: Los Angeles

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of 2	E	0.12 / 656.86	2,423.41 / -18	SCE Piute Substation N/E C/O E Ave J & 90th St LANCASTER CA 93535	CUPA LA COUNTY

Facility ID: FA0001716
CERS ID: 10190123

Active Facility Details

PE: 3000

Inactive Facility Details

PE: 3702

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 2	WSW	0.23 / 1,188.84	2,488.79 / 47	BIG SKY SUBSTATION (T9 EXPANSION) 44358 100TH STREET WEST LANCASTER CA 93536	EMISSIONS

2020 Criteria Data

CO:	19	**CHAPIS:**	
Air Basin:	MD	**CERR Code:**	
Facility ID:	3947	**ROGT:**	.0000392
District:	AV	**COT:**	.008726457
Facility SIC Code:	4911	**NOXT:**	.022184867
CO ID:	LA	**SOXT:**	.000043
DISN:	ANTELOPE VALLEY AQMD		
TOGT:	.000044621513944223107569721115537848605577 69		
PMT:	.000494598591549295774647887323943661971831		
PM10T:	.000491631		

2020 Toxic Data

CO:	19	**DISN:**	ANTELOPE VALLEY AQMD
Air Basin:	MD	**CHAPIS:**	
Facility ID:	3947	**CHERR Code:**	
District:	AV	**TS:**	.01
Facility SIC Code:	4911	**Health Risk Asmt:**	
COID:	LA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 2	WSW	0.23 / 1,188.84	2,488.79 / 47	BIG SKY SUBSTATION 44358 100TH STREET WEST LANCASTER CA 93536	EMISSIONS

2020 Criteria Data

CO:	19	**CHAPIS:**	
Air Basin:	MD	**CERR Code:**	
Facility ID:	3907	**ROGT:**	.00000869
District:	AV	**COT:**	.001458999
Facility SIC Code:	4911	**NOXT:**	.006388646
CO ID:	LA	**SOXT:**	.00000836
DISN:	ANTELOPE VALLEY AQMD		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

TOGT: .000009891861126920887877063175867956744450 77
PMT: .000222394366197183098591549295774647887324
PM10T: .00022106

2020 Toxic Data

CO:	19	***DISN:***	ANTELOPE VALLEY AQMD
Air Basin:	MD	***CHAPIS:***	
Facility ID:	3907	***CHERR Code:***	
District:	AV	***TS:***	.01
Facility SIC Code:	4911	***Health Risk Asmt:***	
COID:	LA		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

Unplottable Summary

Total: 4 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CHMIRS	UPRR	Avenue J at the RR Crossing ***Control No* | *Notified Date:*** 1/5/200208:57:39 AM	Lancaster CA		821819768
CUPA LA COUNTY	SCE GLOW SUBSTATION	98TH ST WEST AND AVE I	LANCASTER CA	93536	877467927
FINDS/FRS	AVENUE J OVER LITTLE ROCK CREEK BRIDGE REPLACEMENT	AVENUE J ***Registry ID:*** 110066387136	LANCASTER CA	93536	840030766
HMS LA		0 AVENUE J	LANCASTER CA	00000	820348221

Unplottable Report

Site: ***UPRR***
Avenue J at the RR Crossing Lancaster CA

CHMIRS

Control No:		***Notified Date:***	1/5/200208:57:39 AM
County:	Los Angeles County	***Notified Date Time:***	
Year:	2002		
URL:			

California Hazardous Material Incident Report System (as of 1997 to 2005)

Contained:	Yes	***Bbls:***	0
Substance:	Train vs. Vehicle	***Cups:***	0
Incident Date:	1/5/200212:00:00 AM	***Cu Ft:***	0
No of Injuries:	1	***Gals:***	0.000000
No of Fatals:	0	***Grams:***	0
No of Evacs:	0	***Lbs:***	0
Cleanup:	Reporting Party	***Liters:***	0
Water:	No	***Oz:***	0
Water Way:		***Pts:***	0
City:	Lancaster	***Qts:***	0
County:	Los Angeles County	***Sheen:***	0
ZIP:		***Tons:***	0
Site:	Rail Road	***Unknown:***	0

Admin Agency: L. A. County Fire Prevention
Location: Avenue J at the RR Crossing
Description: A train collided with a vehicle at a crossing, no derailment or overturn, no release of hazardous material. The occupant of the vehicle is injured.

Site: ***SCE GLOW SUBSTATION***
98TH ST WEST AND AVE I LANCASTER CA 93536

CUPA LA COUNTY

Facility ID:	FA0047856
CERS ID:	10663555

Active Facility Details

PE: 3001

Site: ***AVENUE J OVER LITTLE ROCK CREEK BRIDGE REPLACEMENT***
AVENUE J LANCASTER CA 93536

FINDS/FRS

Registry ID:	110066387136
FIPS Code:	
HUC Code:	
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	

Tribal Land Name:
Congressional Dist No:
Census Block Code:
EPA Region Code: 09
County Name: LOS ANGELES COUNTY
US/Mexico Border Ind:
Latitude:
Longitude:
Reference Point:
Coord Collection Method:
Accuracy Value:
Datum: NAD83
Source:
Facility Detail Rprt URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066387136
Data Source: Facility Registry Service - Single File
Program Acronyms:

CA-ENVIROVIEW:262092

Site:
0 AVENUE J LANCASTER CA 00000

HMS LA

Site No: 004274
Area: 4

Detail Info

Permit No:
Permit Status:
Permit Category:
Permit Type:

Status: File Opened, no permit exists
File No: I04428
File Name: LANCASTER REGIONAL PARK (DEST)

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Jan 25, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Jan 25, 2023

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Jan 25, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

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

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jan 23, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

Government Publication Date: Jan 23, 2023

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jan 23, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jan 23, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jan 23, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jan 23, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Jan 23, 2023

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Feb 23, 2023

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Jan 25, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jan 16, 2023

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Sep 13, 2022

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 31, 2021

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Aug 30, 2022

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Jun 29, 2022

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Jan 25, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 22, 2022

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Feb 6, 2023

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Feb 6, 2023

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Feb 6, 2023

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Feb 9, 2023

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Waste Management Unit Database: WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

Government Publication Date: Jan 1, 2000

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Feb 6, 2023

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 13, 2023

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 13, 2023

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Apr 19, 2023

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Feb 27, 2023

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Feb 27, 2023

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Mar 10, 2023

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Jan 17, 2023

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

This listing includes Proposed Closure of Underground Storage Tank (UST) Cases which are being considered for closure by either the State Water Resources Control Board at a Future Board Meeting or the Executive Director that have been posted for a 60-day public comment period, and Closure of UST Cases with Closure Denials and Approved Orders. The lists are provided by the California Water Boards.

Government Publication Date: Mar 10, 2023

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Apr 12, 2023

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Apr 27, 2023

California Environmental Reporting System (CERS) Tanks: CERS TANK

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 12, 2023

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Apr 12, 2023

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Feb 6, 2023

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (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.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Feb 27, 2023

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Feb 6, 2023

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Feb 27, 2023

Delisted Cleanup Program Sites: DELISTED CLEANUP

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.
Government Publication Date: Feb 27, 2023

Delisted County Records: DELISTED COUNTY
Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.
Government Publication Date: Apr 26, 2023

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands: INDIAN LUST
This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 23, 2022

Underground Storage Tanks on Tribal/Indian Lands: INDIAN UST
This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 23, 2022

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST
Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 23, 2022

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST
Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).
Government Publication Date: Nov 23, 2022

County

Los Angeles County - Site Mitigation List: SML LA
A Site Mitigation List in the County of Los Angeles. The list is made available by Los Angeles County Fire Department. Site mitigation is handled by the Site Mitigation Unit (SMU) which facilitates completion of site clean-up projects of contaminated sites in an expeditious manner in all cities of the Los Angeles County except El Segundo, Glendale, Long Beach, Santa Fe Springs, and Vernon.
Government Publication Date: May 26, 2021

Los Angeles County - Solid Waste Sites: SWF LA COUNTY
List of permitted solid waste facilities, closed landfills, historical dumpsites and other solid waste sites in Los Angeles County, made available by the Department of Public Works in Los Angeles County.
Government Publication Date: Feb 14, 2023

Los Angeles County - CUPA Program Records: CUPA LA COUNTY
A list of inspection and enforcement records for active and inactive CUPA Program facilities, made available by the Health Hazardous Materials Division (HHMD) of the County of Los Angeles Fire Department. Includes Hazardous Materials Business Plan (HMBP), California Accidental Release Prevention Plan (CalARP), Hazardous Waste Generator (HWG), and the Aboveground Petroleum Storage Act Programs (APSA). Inactive programs include facilities that are out of business or no longer regulated by the HHMD.
Government Publication Date: Mar 25, 2020

Los Angeles County - HMS List: HMS LA
List of sites in the Los Angeles County Department of Public Works Hazardous Materials System (HMS) Database which have or have had permits for Industrial Waste, Underground Storage Tanks, or Stormwater in the county of Los Angeles.
Government Publication Date: Mar 1, 2023

Los Angeles County - Santa Fe Springs Underground Storage Tank: UST SANTAFESP

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Fe Springs. This list is made available by Santa Fe Springs Department of Fire-Rescue.

Government Publication Date: Feb 11, 2022

Los Angeles County - Long Beach UST List: UST LONGB

List of registered Underground Storage Tanks (USTs) in the City of Long Beach, Los Angeles County, made available by the Long Beach Certified Unified Program Agency (CUPA). The Long Beach CUPA operates under oversight shared by the Long Beach Fire Department and Health Department.

Government Publication Date: Jul 9, 2018

Los Angeles County - Burbank City CUPA List: CUPA BURBANK

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the City of Burbank. This list is made available by the City of Burbank Fire Department.

Government Publication Date: Aug 21, 2019

Los Angeles County - El Segundo City Underground Storage Tanks List: UST ELSEGUNDO

List of registered Underground Storage Tanks (USTs) in the City of El Segundo of Los Angeles County, made available by El Segundo City Fire Department.

Government Publication Date: Jan 17, 2017

Los Angeles County - Santa Monica City Underground Storage Tank List: UST SANTA MONICA

A list of registered active Underground Storage Tanks (USTs) in the City of Santa Monica made available by Santa Monica Fire Prevention Division.

Government Publication Date: Dec 3, 2020

Los Angeles County - Santa Monica City Aboveground Storage Tank List: AST SANTAMON

List of registered Aboveground Storage Tanks (ASTs) made available by the Santa Monica Fire Department in the City of Santa Monica of Los Angeles County, California.

Government Publication Date: Jan 20, 2023

Los Angeles County - Santa Monica City CUPA Facilities List: CUPA SANTAMON

The Santa Monica Fire Department's office maintains a list of CUPA Facilities located in Santa Monica city.

Government Publication Date: Jan 14, 2022

Los Angeles County - Torrance City Underground Storage Tanks: UST TORRANCE

A list of registered Underground Storage Tank (UST) sites in Torrance City of Los Angeles County. This list is made available by Torrance City Office of Clerk.

Government Publication Date: Apr 20, 2022

Los Angeles County - Vernon City UST List: UST VERNON

A list of Underground Storage Tanks (UST) in Vernon City provided by the Vernon City Fire Department.

Government Publication Date: Aug 25, 2022

Los Angeles County - Vernon City CUPA List: CUPA VERNON

The Vernon City Fire Department's office maintains a list of CUPA Facilities located in Vernon city.

Government Publication Date: Aug 25, 2022

Los Angeles County - City of Los Angeles UST List: UST LA CITY

A list of active and inactive underground storage tank facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Nov 1, 2022

Los Angeles County - City of Los Angeles AST List: AST LA CITY

A list of active and inactive above ground petroleum storage tanks made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Los Angeles County - City of Los Angeles Hazardous Materials Facilities: HAZMAT LA CITY

A list of active and inactive hazardous materials facilities made available by the Los Angeles Fire Department CUPA.

Government Publication Date: Jun 1, 2019

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Aug 18, 2022

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Dec 28, 2022

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. Sites on this list do not necessarily reflect the source/s of contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

Government Publication Date: Jun 30, 2022

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

National Response Center PFAS Spills: ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

Government Publication Date: Feb 23, 2022

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer 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. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

Government Publication Date: Feb 19, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The US Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) requiring facilities that manufacture or import chemical substances to report to EPA. This list is specific to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl substances (PFAS). Data file made available by the EPA and includes CDR/Inventory Update Reporting data from 1998 up to 2020. EPA makes notes the following about these data: this data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jun 20, 2022

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. 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 Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Apr 9, 2023

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Apr 16, 2023

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

Government Publication Date: Aug 30, 2022

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jan 25, 2023

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

Government Publication Date: Oct 15, 2022

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Dec 11, 2022

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Dec 11, 2022

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

Government Publication Date: Jul 12, 2022

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: Jul 12, 2022

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Mar 31, 2021

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Nov 7, 2022

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (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.

Government Publication Date: Aug 18, 2022

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 1, 2022

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG) fuel type locations.

Government Publication Date: Jan 3, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jan 11, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 30, 2022

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 3, 2022

State

PFAS Sampling Locations: PFAS SAMPLING

This data is sourced from the State Water Board's GeoTracker Per- and Polyfluoroalkyl Substances (PFAS) Map tool which contains individual sampling points (i.e., soil boring, groundwater monitoring well, drinking water well for municipal drinking water systems, etc.) or a site location with PFAS analytical data. Includes analytical results that are finalized and submitted electronically by the Responsible Parties via GeoTracker's Electronic Submittal of Information Portal, and after it's accepted by a Regional Water Quality Control Board.

Government Publication Date: Mar 14, 2023

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Dec 20, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Jan 31, 2022

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Jan 31, 2022

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of FAA Part 139 Airports, Selected Landfills, and Chrome Plating Facilities from California Water Boards PFAS Investigations, as well as sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Feb 15, 2022

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Feb 4, 2023

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 2, 2022

Toxic Pit Cleanup Act Sites: TOXIC PITS

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

Government Publication Date: Jul 1, 1995

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

Government Publication Date: Oct 24, 2022

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Feb 6, 2023

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Nov 18, 2022

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Handlers from Hazardous Waste Manifest Data: HAZNET

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Oct 24, 2016

Generators from Hazardous Waste Manifest Data: HAZ GEN

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

TSDF from Hazardous Waste Manifest Data: HAZ TSD

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

Government Publication Date: Dec 31, 2017

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Mar 23, 2023

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 11, 2022

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Jan 9, 2023

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Apr 12, 2023

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Feb 27, 2023

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Dec 19, 2022

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Aug 3, 2022

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Feb 27, 2023

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2020

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Los Angeles County - Santa Monica City Hazardous Materials Facilities: HAZMAT SANTAMON

A list of Hazardous Materials Facilities in the City of Santa Monica, Los Angeles county. This list is made available by Santa Monica Fire Prevention Division which has been designated as the CUPA for the City.

Government Publication Date: Dec 17, 2021

Los Angeles County - Santa Monica City Hazardous Waste Facilities: HAZ WST SANTAMON

A list of Hazardous Waste Facilities in Los Angeles County, City of Santa Monica. This list is made available by Santa Monica Fire Prevention Division.

Government Publication Date: Jan 20, 2023

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		23051000807p
Date Completed:		May 11, 2023
Project Number:		23-403689.3
Project Property:		J90 APN 3203-034-004 LANCASTER CA
Coordinates:		
	Latitude:	34.6867846
	Longitude:	-118.1541632
	UTM Northing:	3839650.90465 Meters
	UTM Easting:	381425.54942 Meters
	UTM Zone:	UTM Zone 11S
	Elevation:	2,439.08 ft
	Slope Direction:	ENE

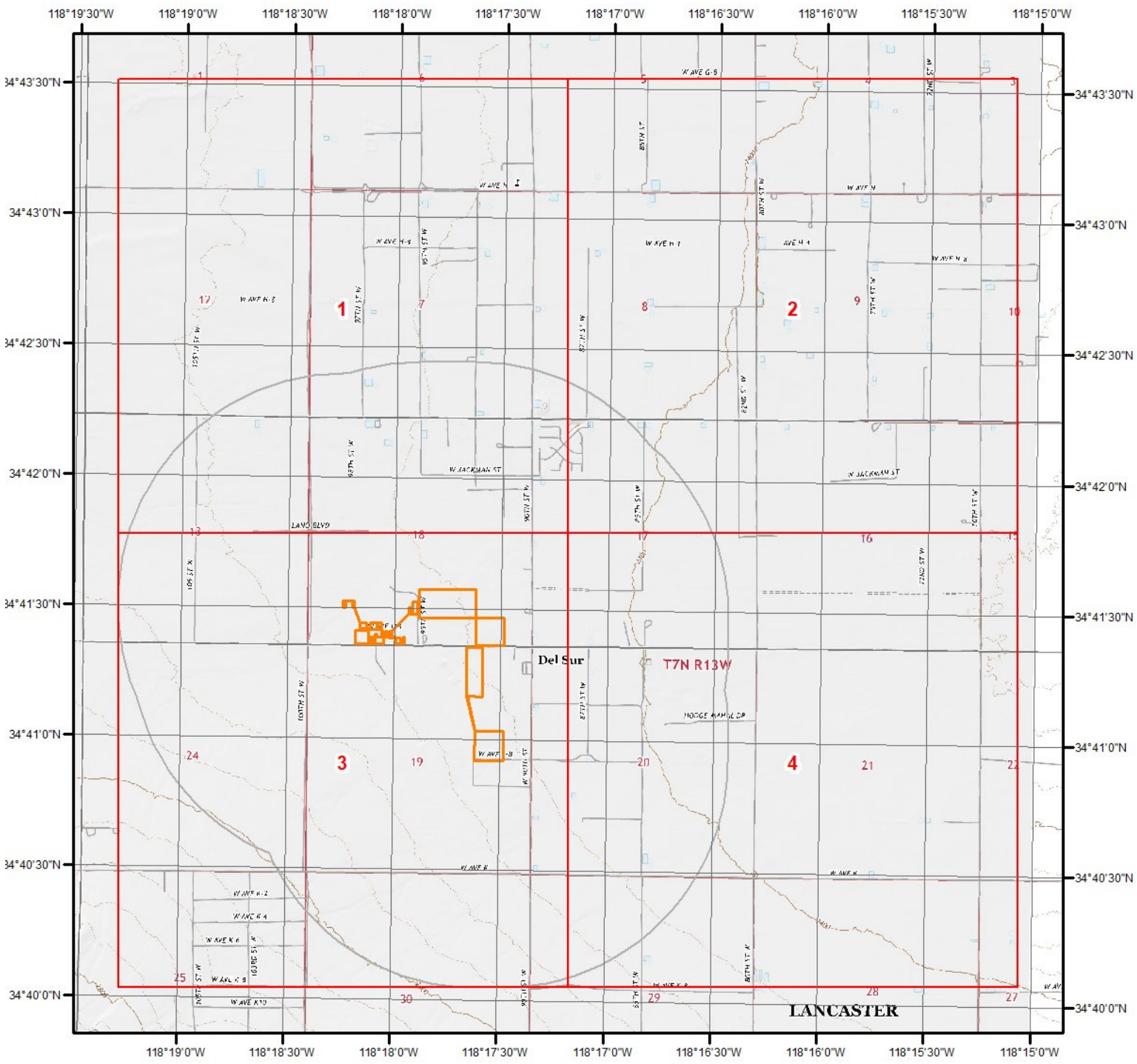
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2021)

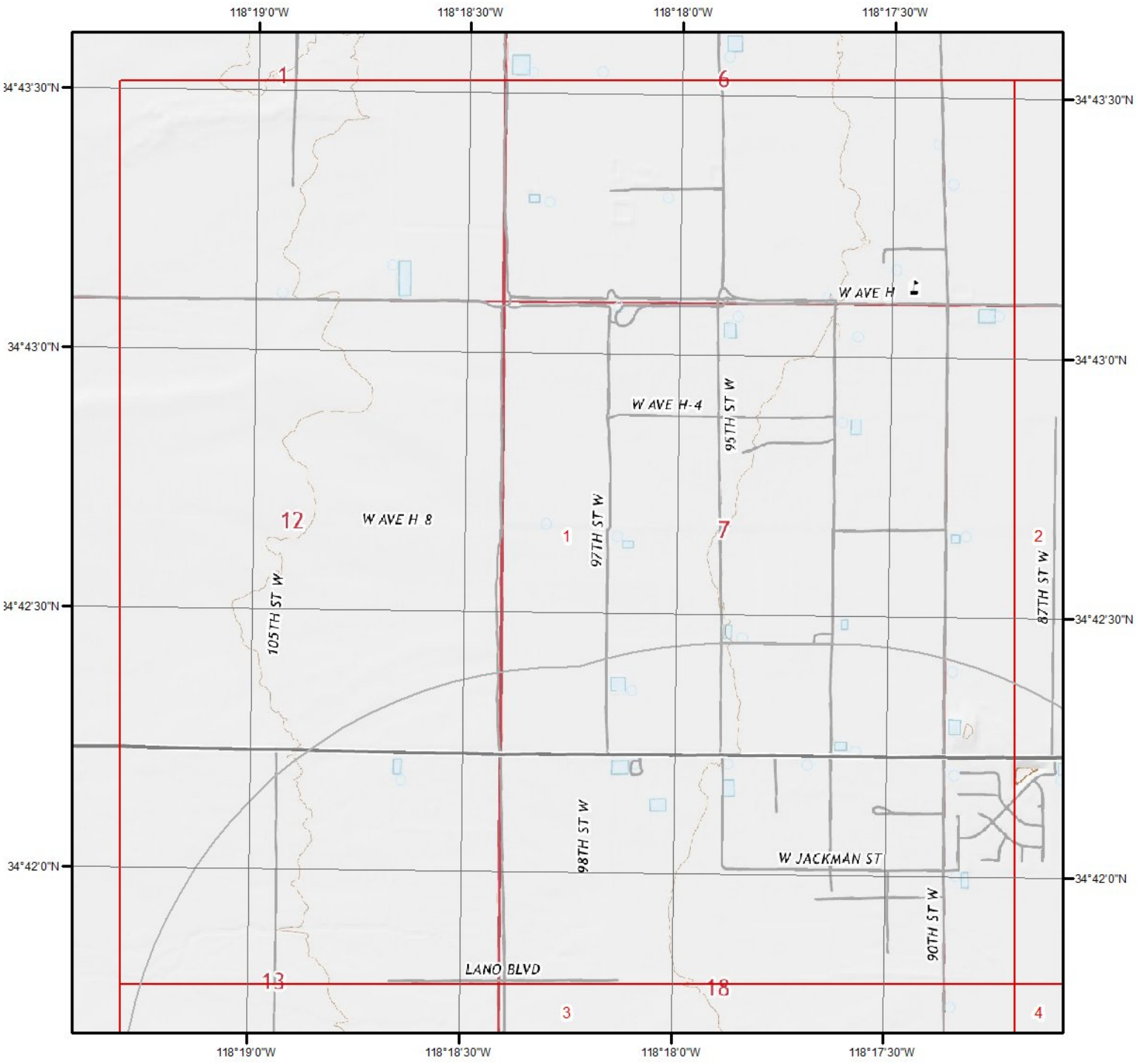
0 0.2 0.4 0.8 1.2 1.6 Miles

N

Quadrangle(s): Fairmont Butte,CA; Sleepy Valley,CA; Del Sur,CA; Ritter Ridge,CA; Rosamond,CA; Green Valley,CA; Lancaster West,CA; Lake

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

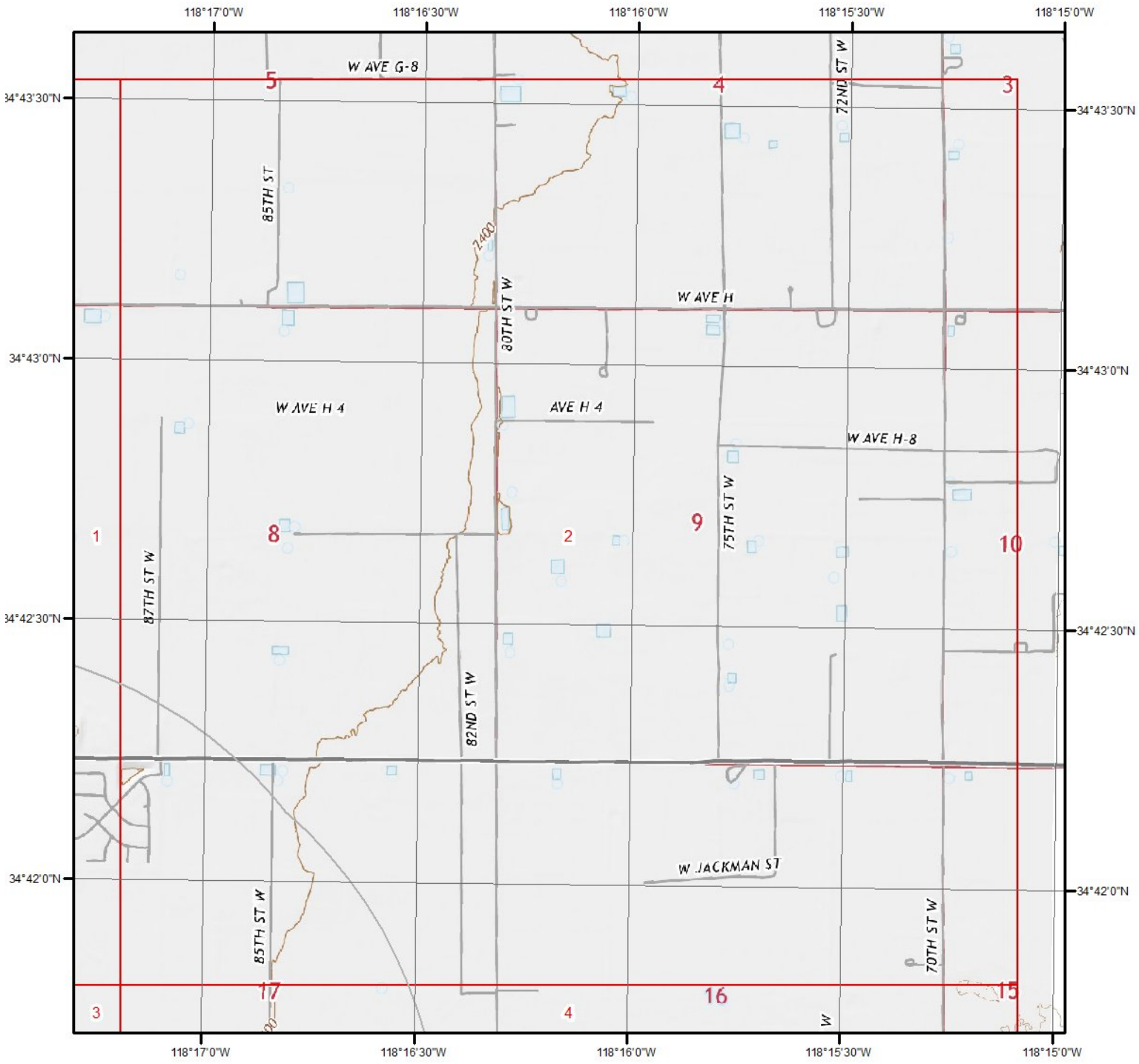
Miles
0 0.2 0.4 0.8

N

Quadrangle(s): Del Sur,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 2

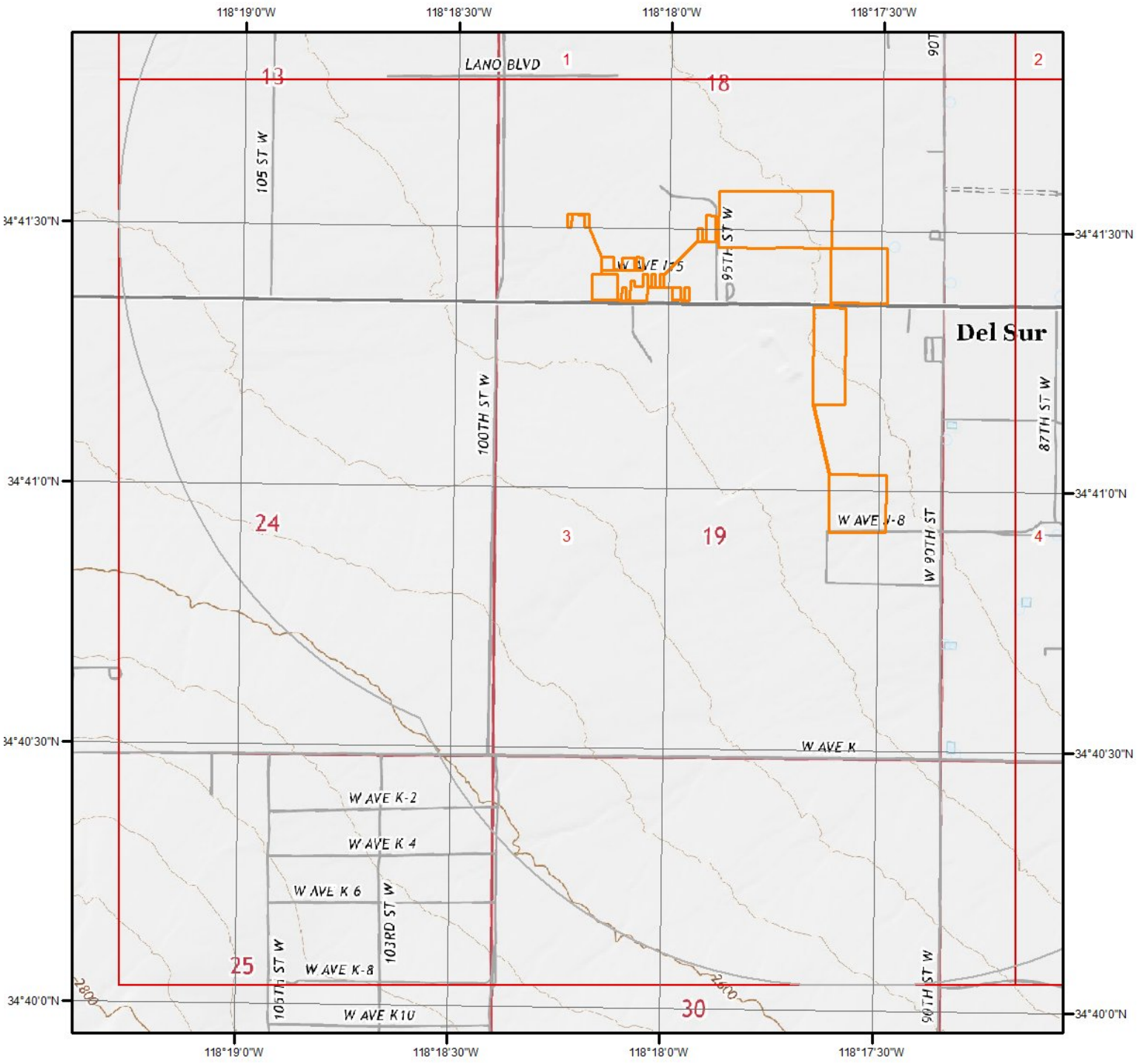
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Del Sur,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 3

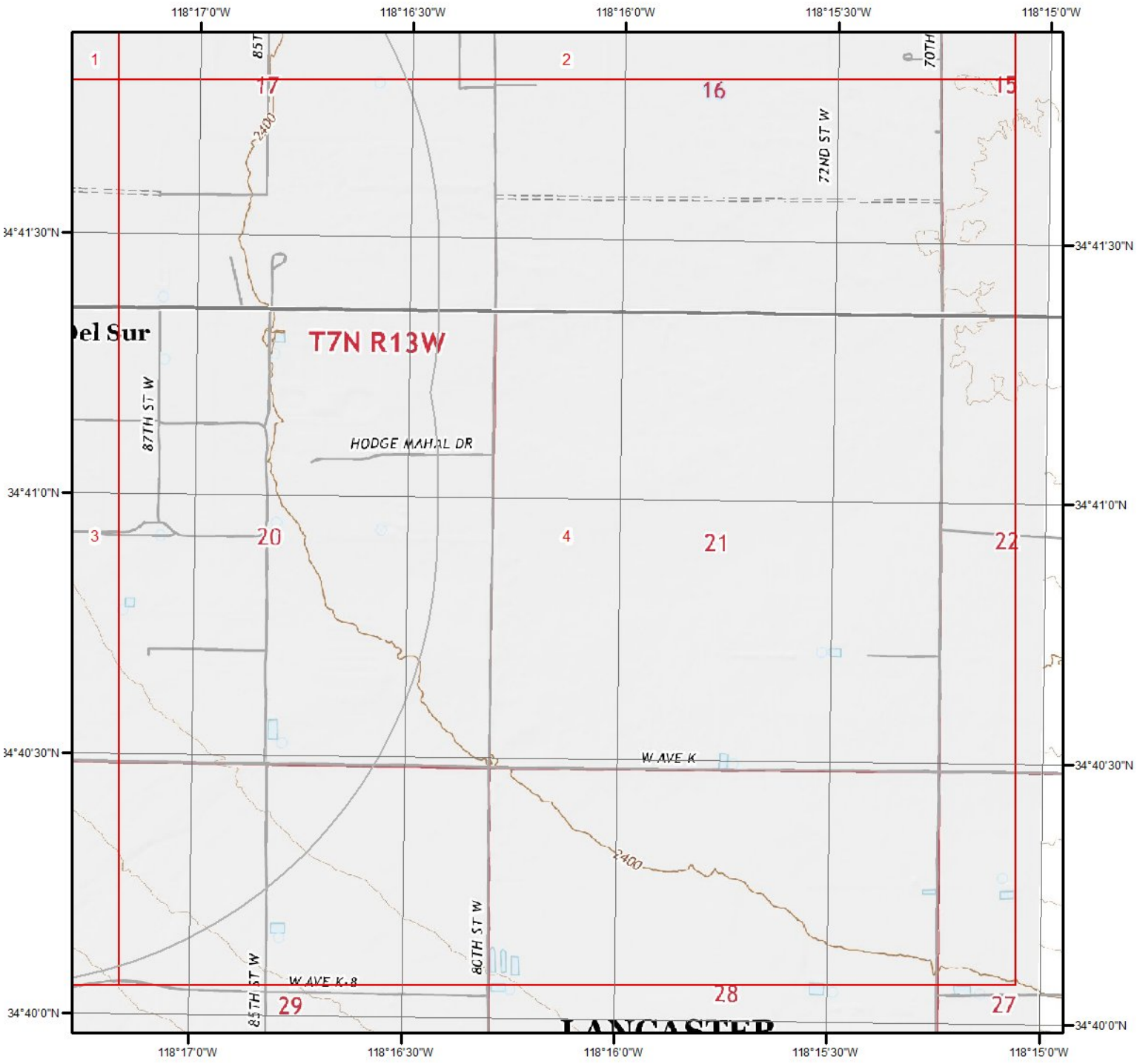
0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Del Sur,CA

Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 4

Miles
0 0.2 0.4 0.8

N

Quadrangle(s): Del Sur,CA

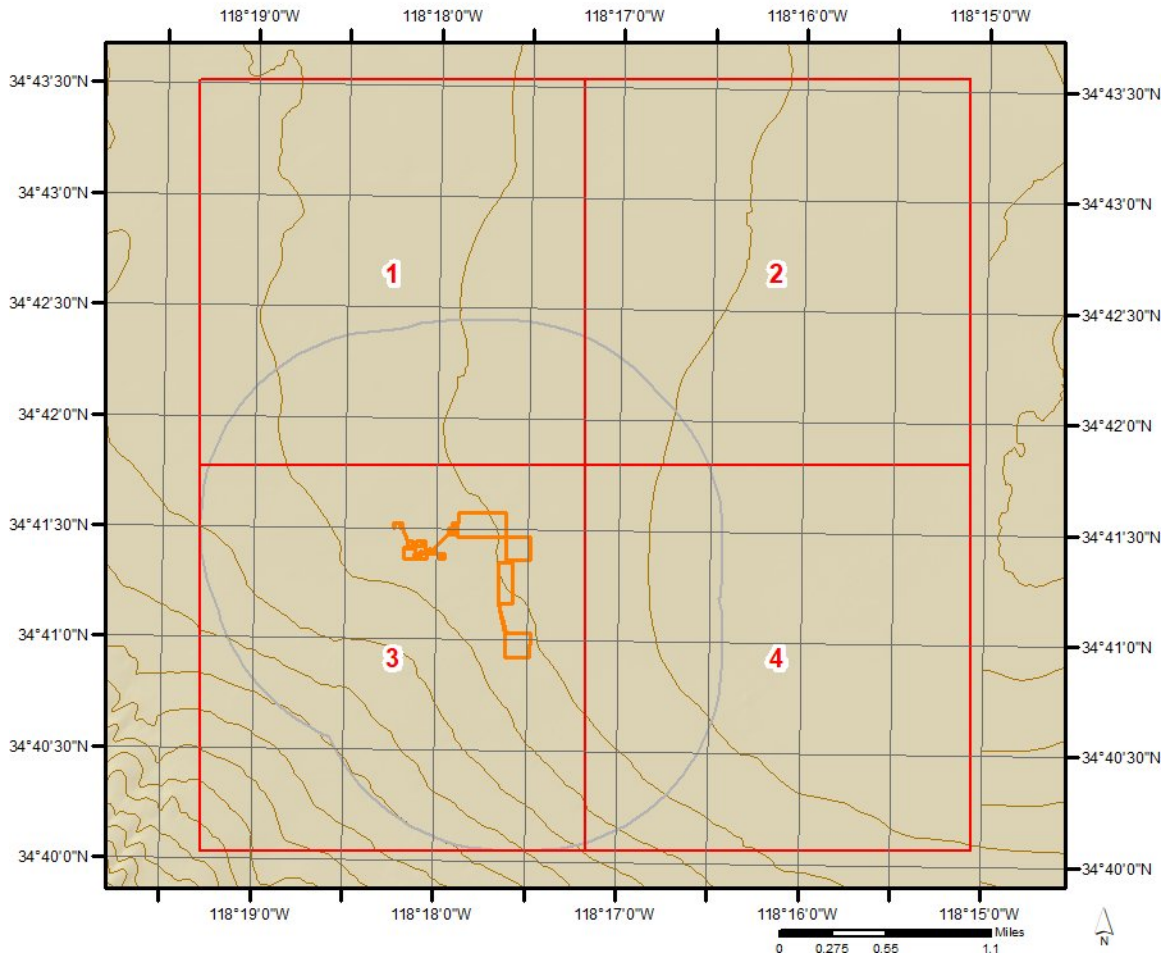
Source: USGS 7.5 Minute Topographic Map

Topographic Information

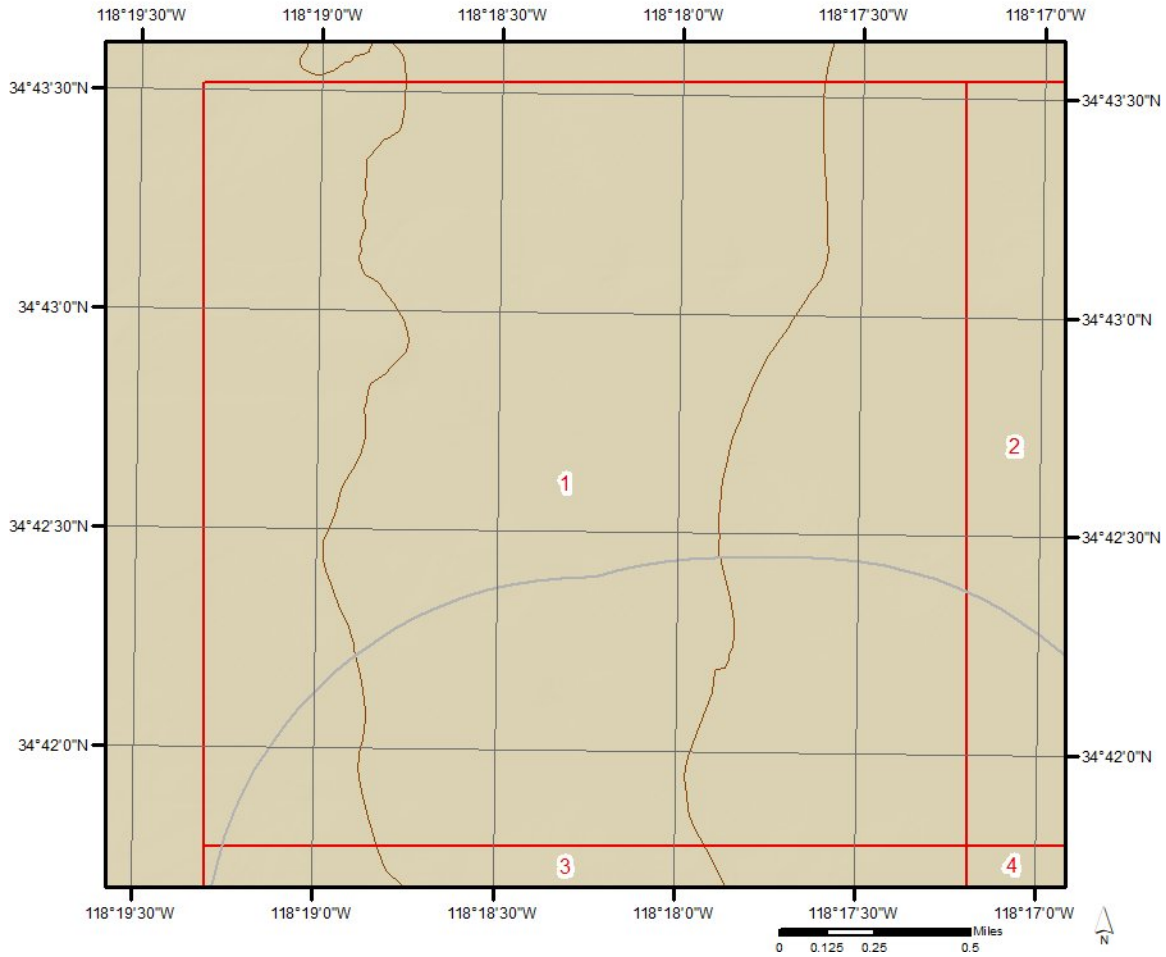
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

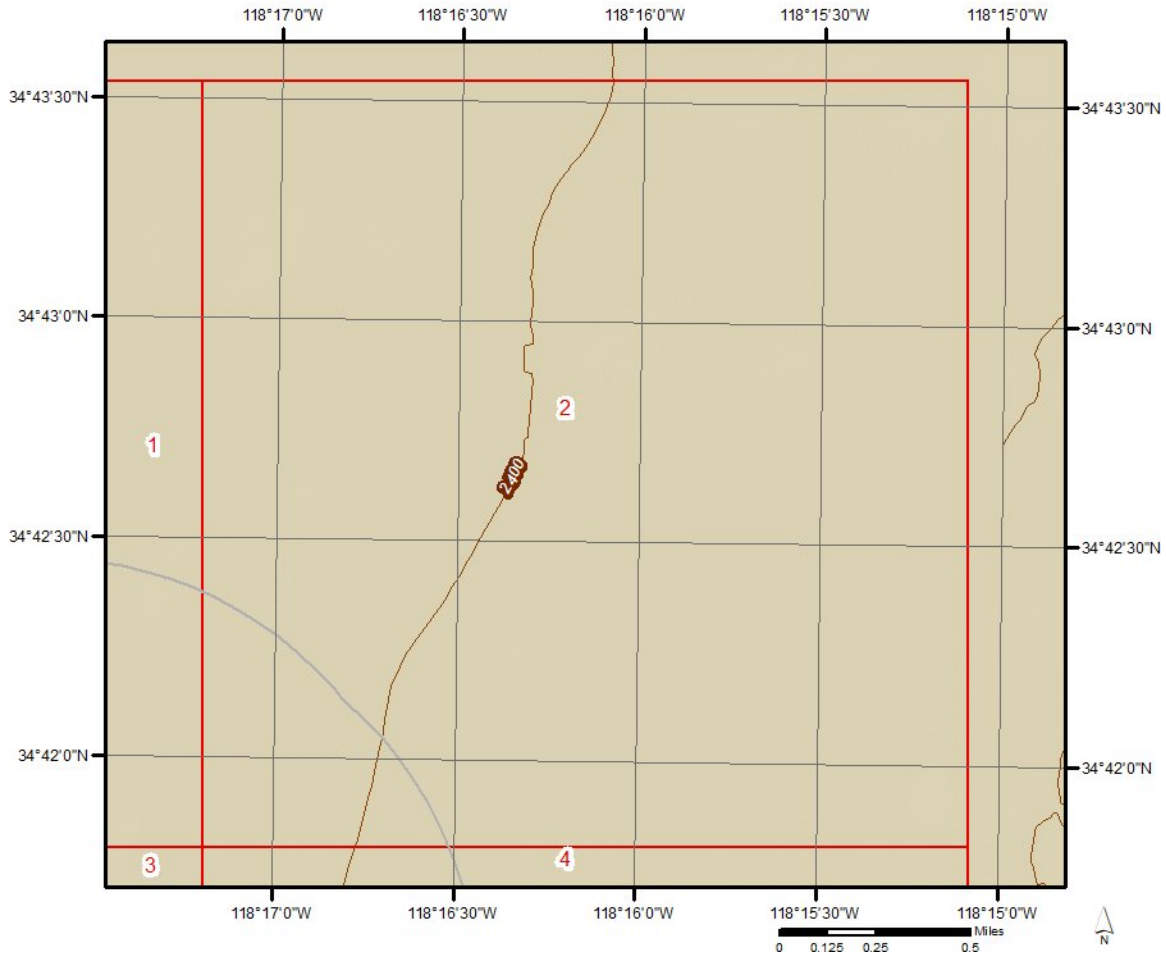
Elevation:	2,439.08 ft
Slope Direction:	ENE



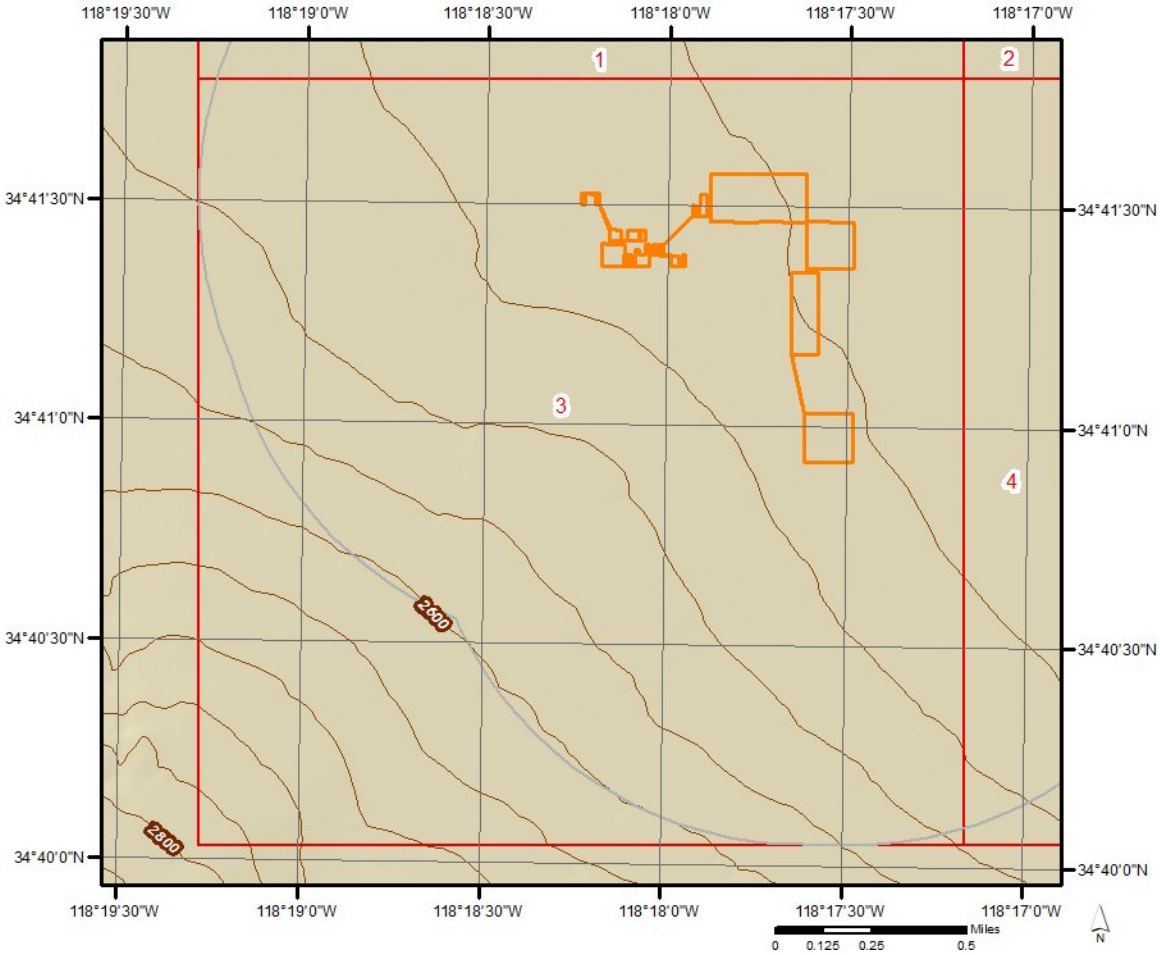
Topographic Information



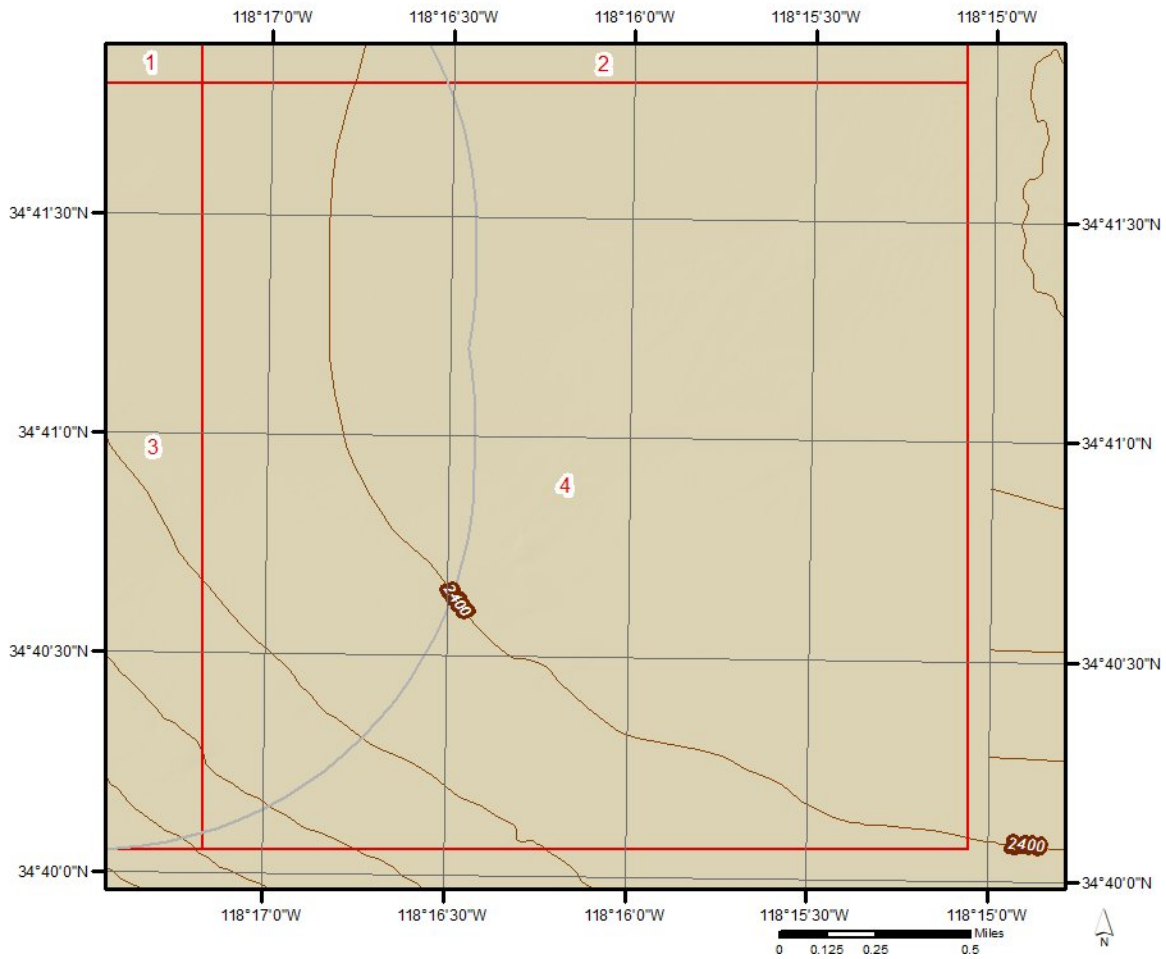
Topographic Information



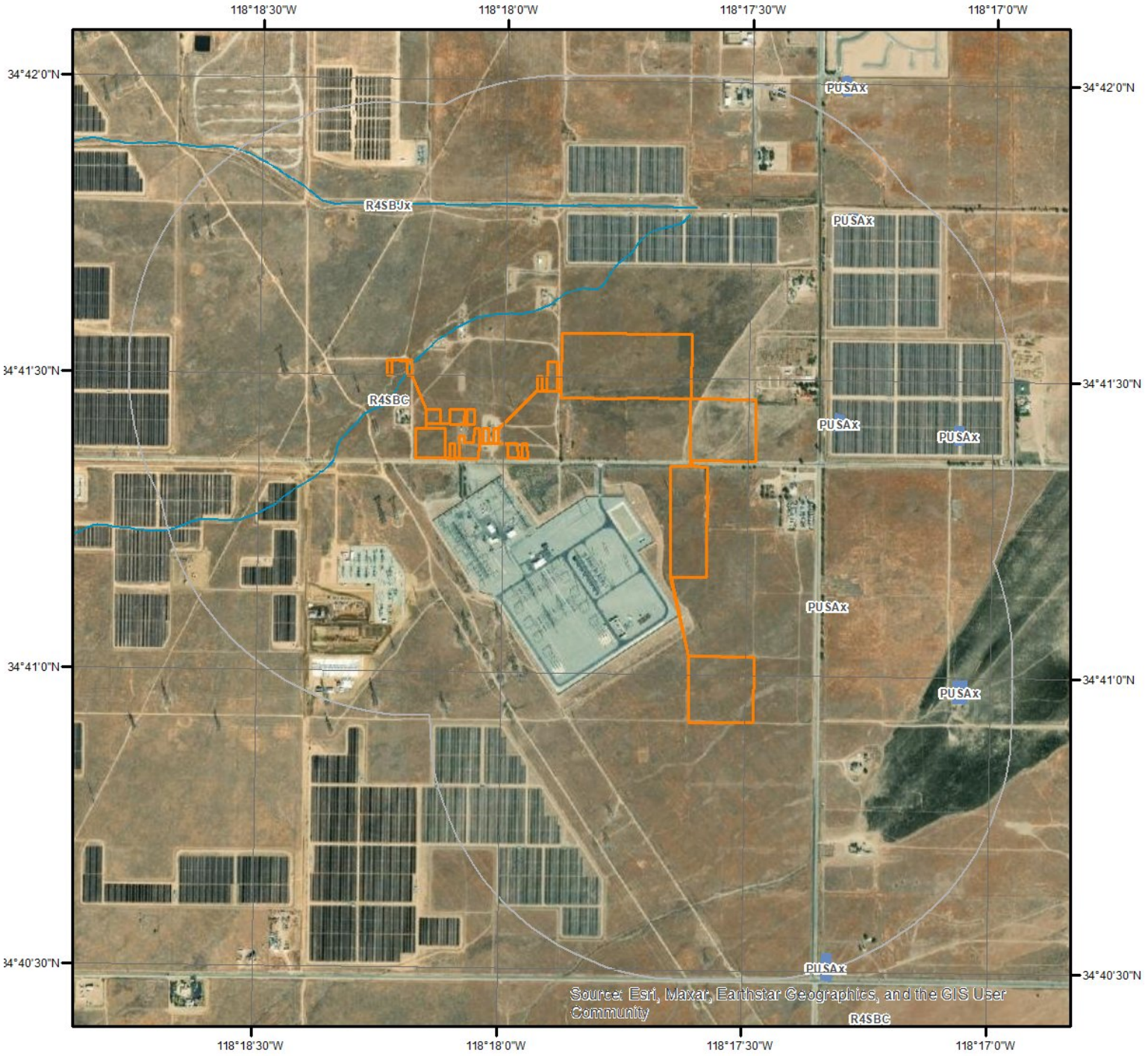
Topographic Information



Topographic Information



Hydrologic Information



Wetland

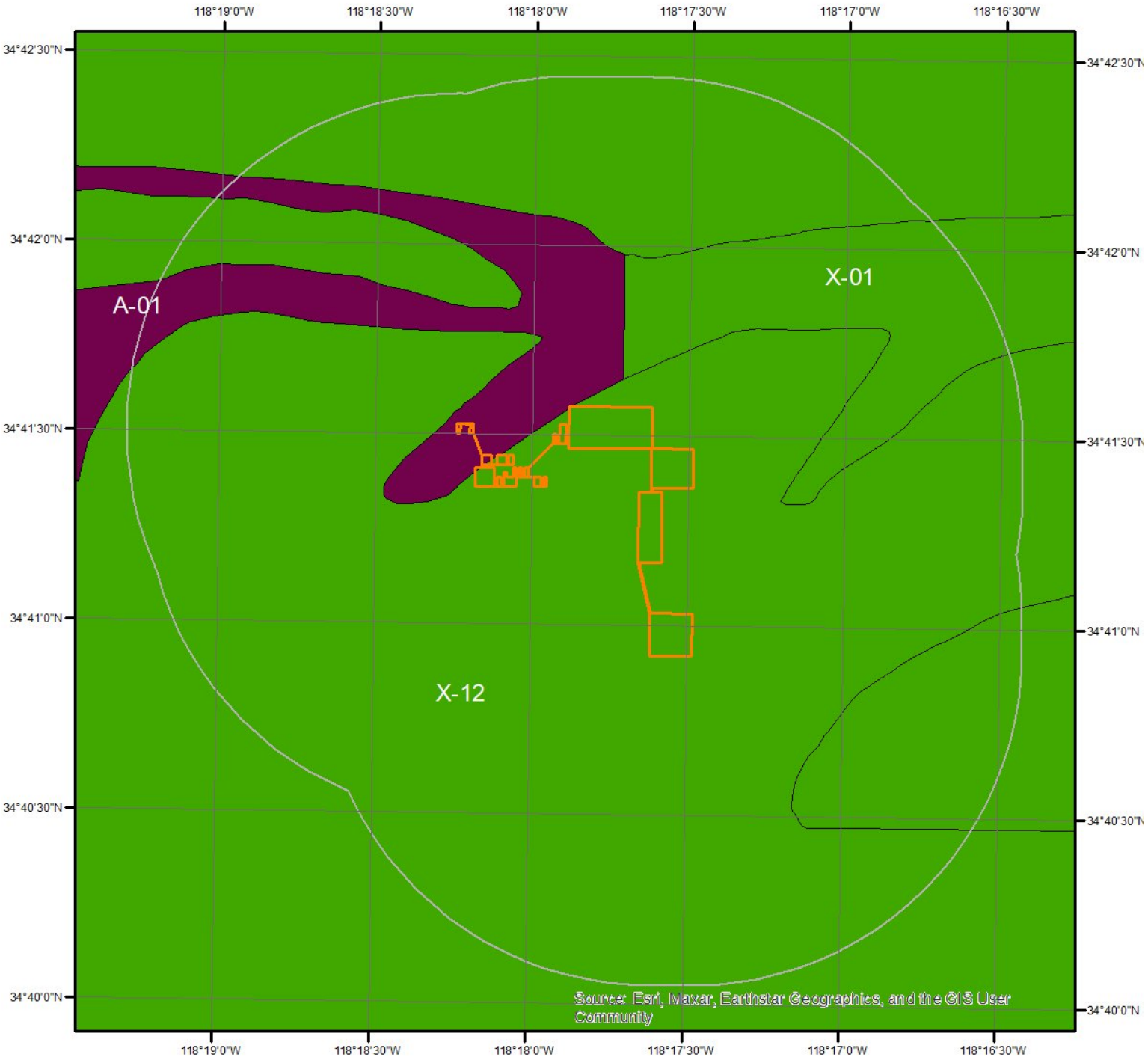
Miles
0 0.125 0.25 0.5
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS

Hydrologic Information

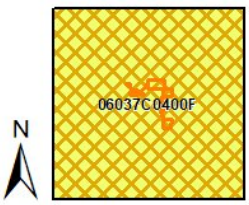


Flood Hazard Zones

Miles
0 0.2 0.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED



Quadrangle(s): Fairmont Butte,CA; Sleepy Valley,CA; Del Sur,CA; Ritter Ridge,CA; Rosamond,CA; Green

ERIS

Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	06037C0400F(effective:2008-09-26)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information

0 0.375 0.75 Miles

N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS

0 0.4 0.8 Miles

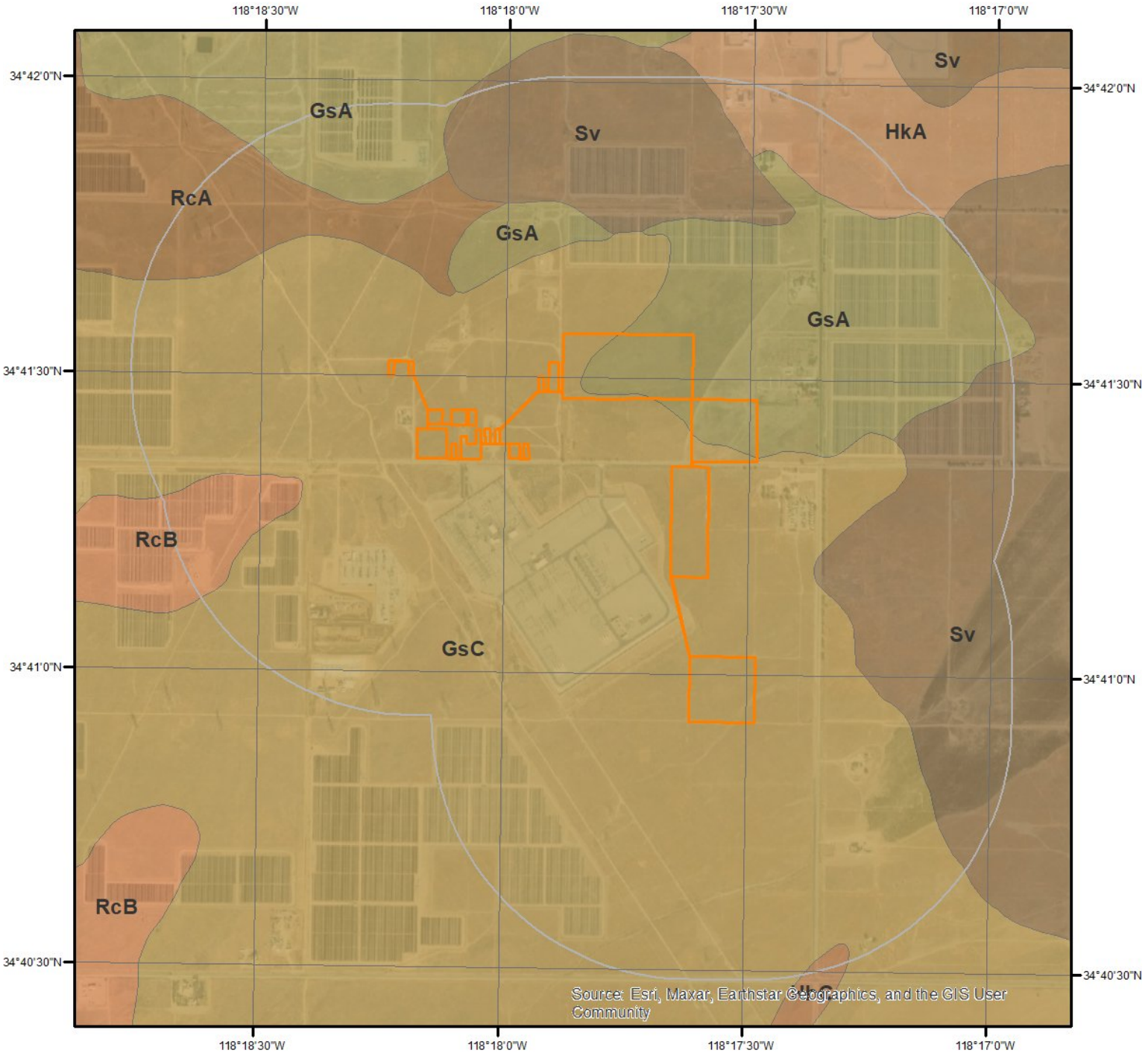
Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

Soil Information



SSURGO Soils

0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit GsA (16.52%)

Map Unit Name:	Greenfield sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Greenfield(85%)

horizon H1(0cm to 51cm)	Sandy loam
horizon H2(51cm to 152cm)	Sandy loam
horizon H3(152cm to 203cm)	Stratified loamy sand to coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GsA - Greenfield sandy loam, 0 to 2 percent slopes

Component: Greenfield (85%)
The Greenfield component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces, alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD064CA Loamy 9-20" ecological site. Nonirrigated land capability classification is 4c. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

Component: Riverwash (5%)
Generated brief soil descriptions are created for major soil components. The Riverwash soil is a minor component.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Sandy alluvial land (4%)
Generated brief soil descriptions are created for major soil components. The Sandy alluvial land soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit GsC (39.8%)

Map Unit Name:	Greenfield sandy loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Greenfield(85%)

horizon H1(0cm to 51cm)	Sandy loam

horizon H2(51cm to 152cm)	Sandy loam
horizon H3(152cm to 203cm)	Stratified loamy sand to coarse sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GsC - Greenfield sandy loam, 2 to 9 percent slopes

Component: Greenfield (85%)
The Greenfield component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on terraces, alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD064CA Loamy 9-20" ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Hanford (8%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit HbC (0.64%)

Map Unit Name:	Hanford coarse sandy loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hanford(85%)

horizon H1(0cm to 20cm)	Coarse sandy loam
horizon H2(20cm to 99cm)	Coarse sandy loam
horizon H2(20cm to 99cm)	Sandy loam
horizon H3(99cm to 178cm)	Gravelly coarse sandy loam
horizon H3(99cm to 178cm)	Gravelly loamy coarse sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HbC - Hanford coarse sandy loam, 2 to 9 percent slopes

Component: Hanford (85%)
The Hanford component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD064CA Loamy 9-20" ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria.

Soil Information

Component: Greenfield (8%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Ramona (5%)
Generated brief soil descriptions are created for major soil components. The Ramona soil is a minor component.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit HkA (31.24%)

Map Unit Name:	Hesperia fine sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Hesperia(85%)

horizon H1(0cm to 10cm)	Fine sandy loam
horizon H2(10cm to 137cm)	Fine sandy loam
horizon H2(10cm to 137cm)	Sandy loam
horizon H3(137cm to 196cm)	Coarse sandy loam
horizon H3(137cm to 196cm)	Sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HkA - Hesperia fine sandy loam, 0 to 2 percent slopes

Component: Hesperia (85%)
The Hesperia component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. This component is in the R030XG021CA Loamy 4-9" ecological site. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Cajon (5%)
Generated brief soil descriptions are created for major soil components. The Cajon soil is a minor component.

Component: Rosamond (5%)
Generated brief soil descriptions are created for major soil components. The Rosamond soil is a minor component.

Component: Tray (3%)
Generated brief soil descriptions are created for major soil components. The Tray soil is a minor component.

Component: Unnamed (2%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit RcA (2.25%)

Map Unit Name:	Ramona coarse sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Ramona(85%)

horizon H1(0cm to 51cm)	Coarse sandy loam
horizon H2(51cm to 79cm)	Fine sandy loam
horizon H3(79cm to 229cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RcA - Ramona coarse sandy loam, 0 to 2 percent slopes

Component: Ramona (85%)
The Ramona component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD064CA Loamy 9-20" ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 1 This soil does not meet hydric criteria.

Component: Greenfield (10%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Hanford (4%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Map Unit RcB (0.82%)

Map Unit Name:	Ramona coarse sandy loam, 2 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Ramona(85%)

horizon H1(0cm to 51cm)	Coarse sandy loam
horizon H2(51cm to 79cm)	Fine sandy loam
horizon H3(79cm to 229cm)	Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RcB - Ramona coarse sandy loam, 2 to 5 percent slopes

Component: Ramona (85%)
The Ramona component makes up 85 percent of the map unit. Slopes are 2 to 5 percent. This component is on terraces. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R019XD064CA Loamy 9-20" ecological site. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria.

Soil Information

Component: Greenfield (10%)
Generated brief soil descriptions are created for major soil components. The Greenfield soil is a minor component.

Component: Hanford (5%)
Generated brief soil descriptions are created for major soil components. The Hanford soil is a minor component.

Map Unit Sv (8.72%)

Map Unit Name:	Sunrise sandy loam
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Sunrise(85%)

horizon H1(0cm to 48cm)	Sandy loam
horizon H2(48cm to 79cm)	Loam
horizon H3(79cm to 122cm)	Cemented
horizon H4(122cm to 165cm)	Stratified gravelly sandy loam to loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Sv - Sunrise sandy loam

Component: Sunrise (85%)
The Sunrise component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on basin floors. The parent material consists of alluvium derived from granite. Depth to a root restrictive layer, petrocalcic, is 20 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. This component is in the R030XG020CA Alkali Flats 4-9" ecological site. Nonirrigated land capability classification is 7e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 13 percent. The soil has a very slightly saline horizon within 30 inches of the soil surface.

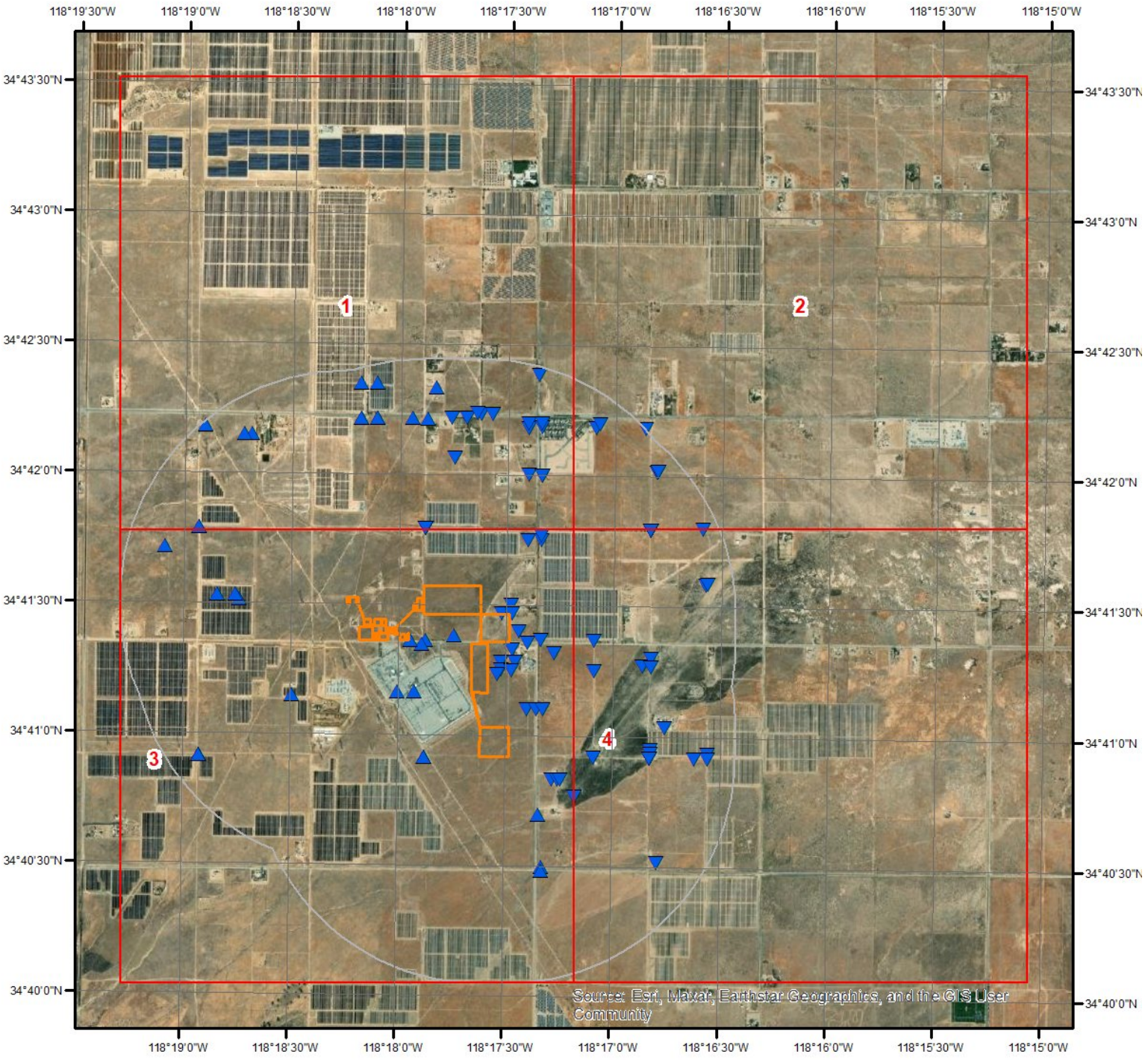
Component: Merrill (5%)
Generated brief soil descriptions are created for major soil components. The Merrill soil is a minor component.

Component: Tray (5%)
Generated brief soil descriptions are created for major soil components. The Tray soil is a minor component.

Component: Unnamed (4%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Unnamed (1%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources

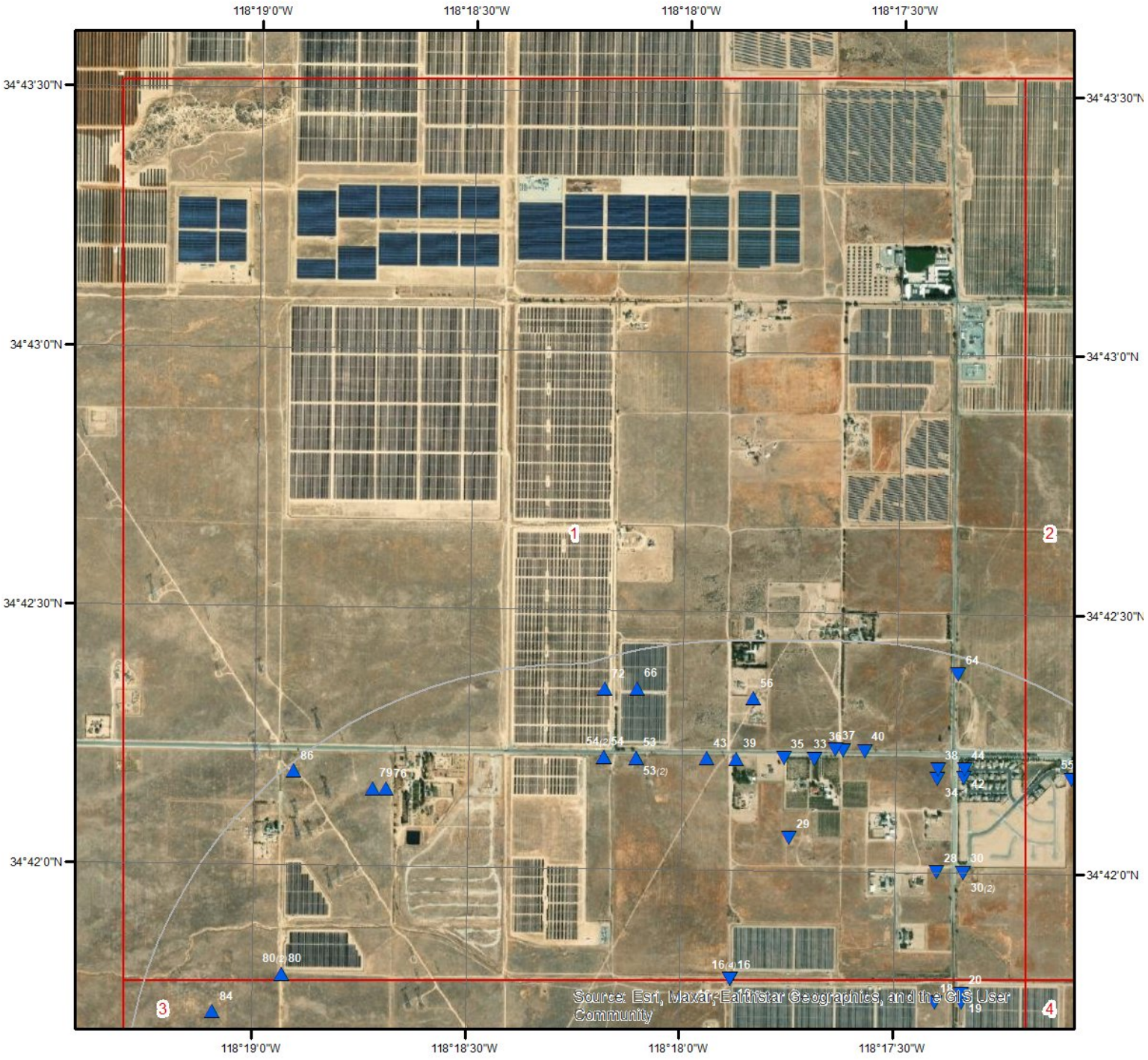
N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 1

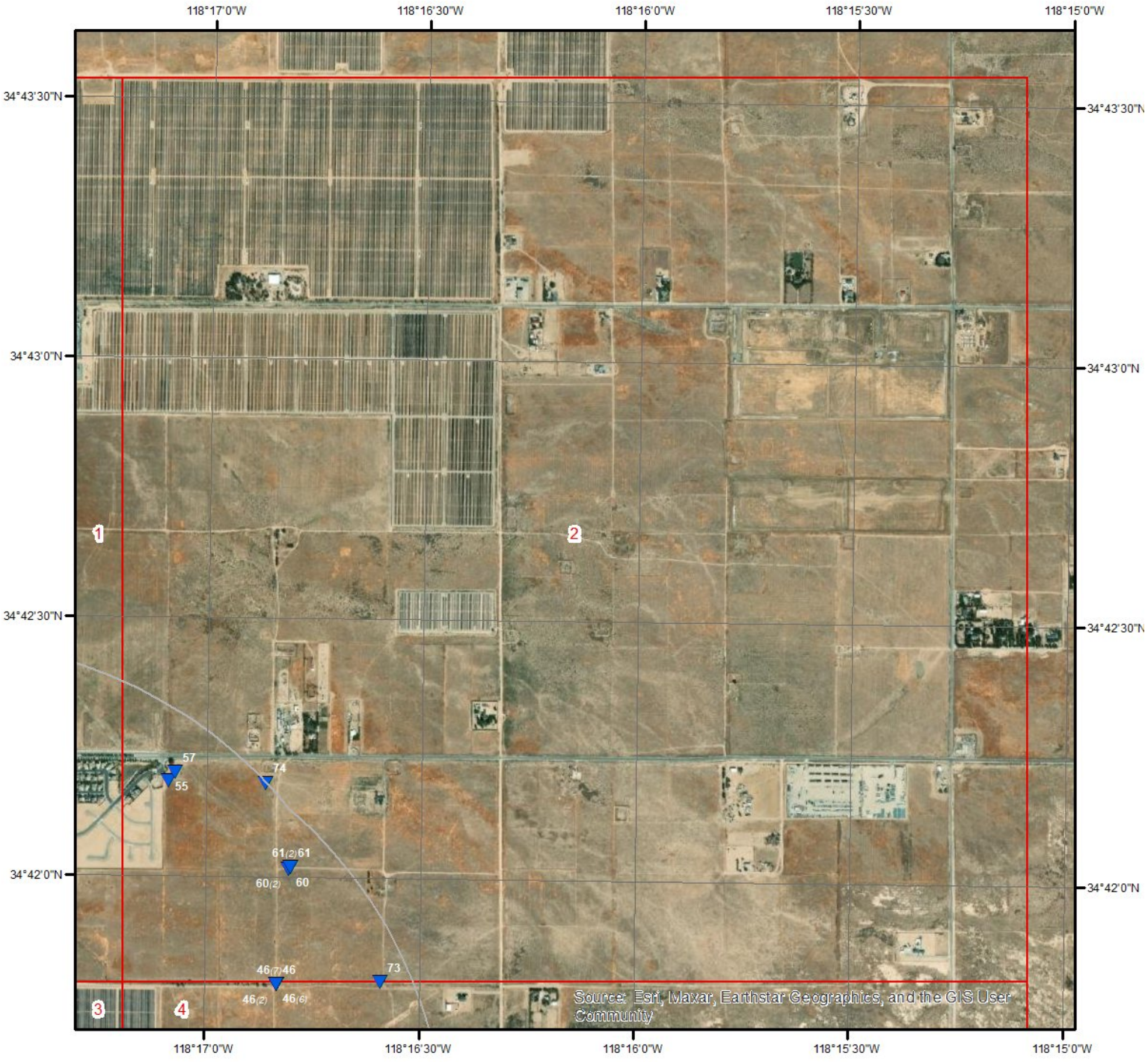
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 2

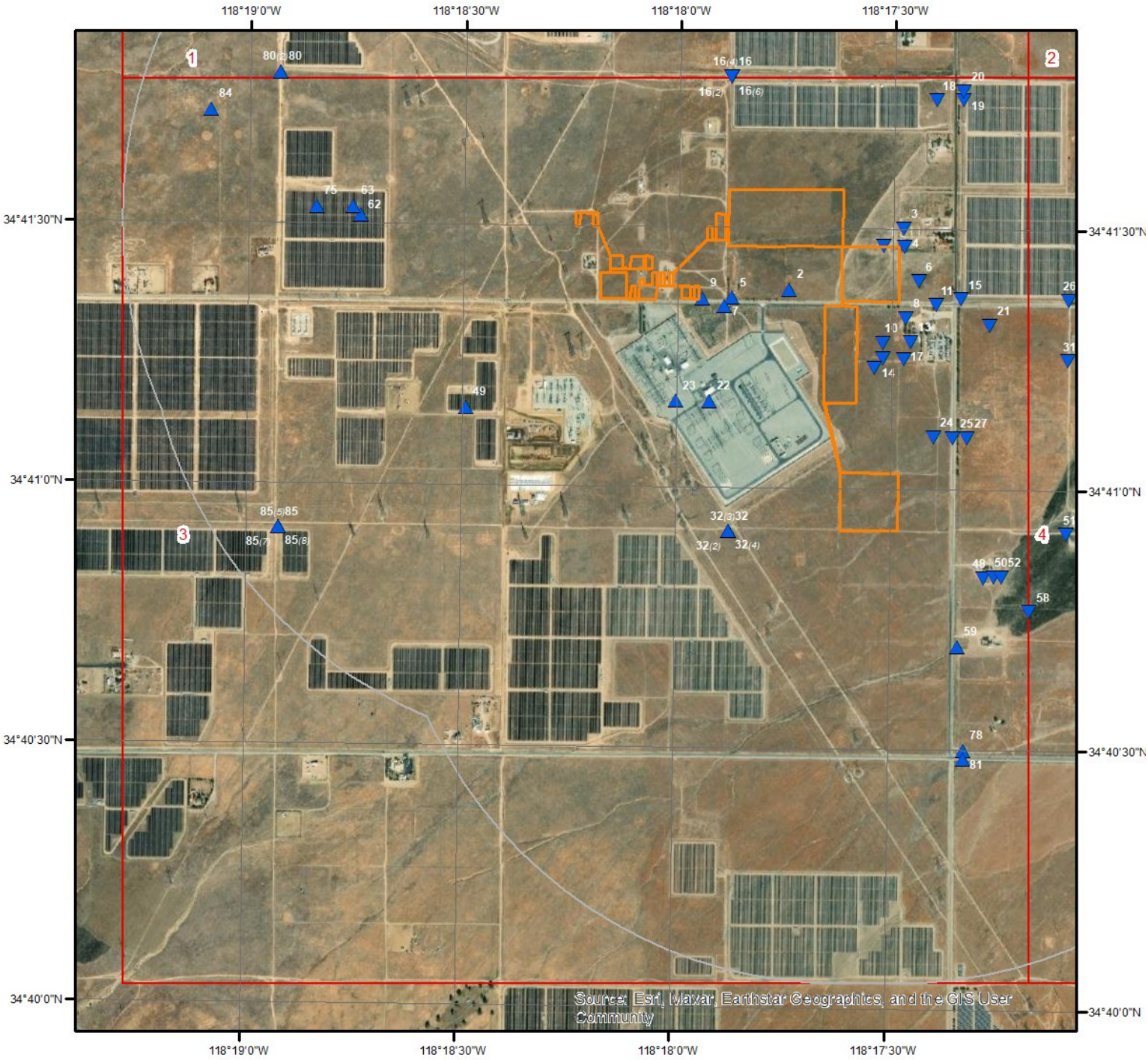
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 3

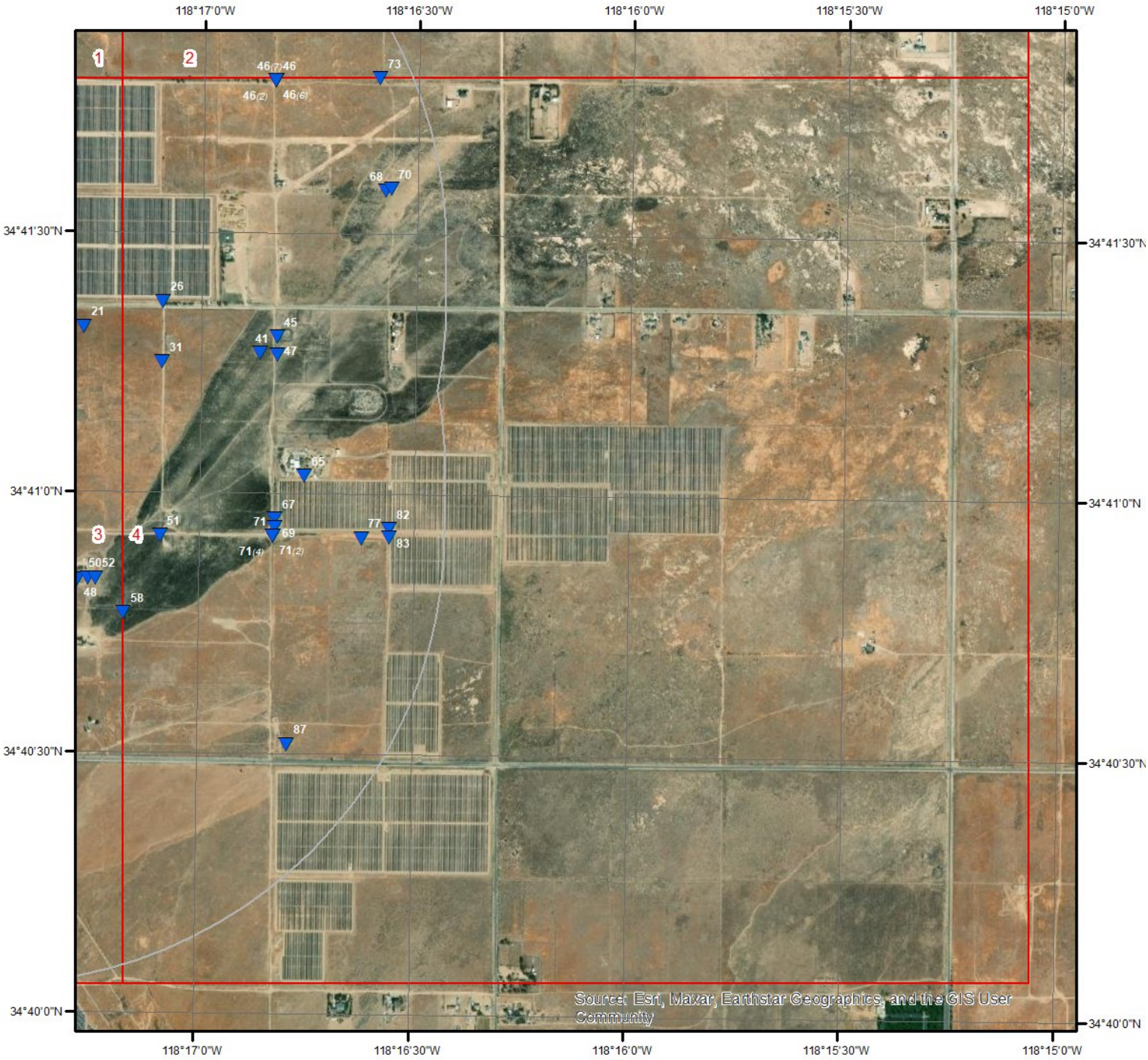
N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources



Wells & Additional Sources - Page 4

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
11	CA1900304	433.49	SE

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Site Number	Distance (ft)	Direction
2	USGS-344123118174101	451.16	SSW
4	USGS-344128118172501	64.04	ESE
5	USGS-344122118174901	389.97	SW
6	USGS-344124118172301	225.40	ESE
7	USGS-344121118175001	315.43	SW
8	USGS-344100118170001	214.63	SE
13	USGS-344117118172401	497.93	SE
14	USGS-344114118172901	212.24	SSE
15	USGS-344122118171701	723.49	ESE
17	USGS-344115118172501	546.98	SSE
19	USGS-344145118171701	1745.85	NE
20	USGS-344146118171701	1808.63	NE
21	USGS-344119118171301	1092.62	ESE
22	USGS-344111118175701	1197.02	SSW
25	USGS-344106118171801	755.43	SSE
26	USGS-344122118170201	1975.74	ESE
27	USGS-344106118171601	899.90	SE
30	USGS-344200118171702	2922.41	NNE
30	USGS-344200118171701	2922.41	NNE
31	USGS-344115118170201	2089.45	ESE
33	USGS-344213118173801	3886.53	N
36	USGS-344214118173401	3984.59	N
39	USGS-344213118174901	3894.84	NNW
40	USGS-344214118173101	3990.76	N
42	USGS-344211118171701	3935.73	NNE
44	USGS-344212118171701	4030.44	NNE
45	USGS-344118118164601	3332.86	ESE
47	USGS-344116118164601	3361.74	ESE
49	USGS-344109118182601	2017.60	WSW
50	USGS-344050118171201	1251.80	SSE
51	USGS-344055118170201	1966.30	SE
52	USGS-344050118171101	1327.70	SSE
53	USGS-344213118180302	4052.50	NNW
53	USGS-344213118180301	4052.50	NNW
55	USGS-344211118170201	4532.67	NE
57	USGS-344212118170101	4663.45	NE
58	USGS-344046118170701	1811.84	SSE
59	USGS-344042118171701	1522.48	SSE
60	USGS-344201118164501	4762.33	NE
60	USGS-344201118164502	4762.33	NE
62	USGS-344131118184101	2506.15	W

63	USGS-344132118184201	2589.76	W
64	USGS-344223118171801	5066.11	NNE
65	USGS-344102118164201	3638.37	ESE
66	USGS-344221118180301	4834.89	NNW
67	USGS-344057118164601	3302.63	SE
68	USGS-344135118163101	4626.26	E
69	USGS-344056118164601	3302.27	SE
73	USGS-344148118163201	4921.30	ENE
76	USGS-344209118183801	4405.17	NW
78	USGS-344030118171601	2679.07	SSE
81	USGS-344029118171601	2775.73	SSE
82	USGS-344056118163001	4638.25	ESE
83	USGS-344055118163001	4638.14	SE
84	USGS-344143118190201	4413.22	W
86	USGS-344211118185101	5200.89	NW
87	USGS-344031118164401	4250.95	SE

Wells from NWIS

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	Site Code	Distance (ft)	Direction
1	346911N1182921W001	0.00	-
9	346894N1182988W001	45.70	SW
10	346880N1182918W001	304.48	SSE
12	346875N1182921W001	303.06	SSE
18	346958N1182899W001	1505.18	NE
23	346861N1182996W001	1190.40	SW
24	346850N1182896W001	582.58	SSE
28	347000N1182899W001	2793.05	NNE
34	347030N1182899W001	3822.97	NNE
35	347036N1182957W001	3891.52	N
37	347039N1182938W001	3995.25	N
38	347033N1182899W001	3927.79	NNE
41	346878N1182813W001	3168.38	ESE
43	347036N1182988W001	3908.16	NNW
48	346805N1182885W001	1145.26	SSE
54	347036N1183026W001	4173.98	NNW
54	347036N1183026W002	4173.98	NNW
61	347003N1182801W002	4788.46	NE
61	347003N1182801W001	4788.46	NE
70	346931N1182762W001	4685.37	E
72	347058N1183026W001	4929.77	NNW
74	347030N1182815W001	5270.74	NE
75	346922N1183135W001	3017.12	W
77	346819N1182768W001	4310.60	SE
79	347025N1183124W001	4494.21	NW

Wells and Additional Sources Summary

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
3	WCR2021-005063	211.48	E
16	WCR2006-012112	1309.85	NNW
16	WCR2000-011416	1309.85	NNW
16	WCR1776-004367	1309.85	NNW
16	WCR0096494	1309.85	NNW
16	WCR1986-010212	1309.85	NNW
16	WCR2007-009558	1309.85	NNW
16	WCR2007-009559	1309.85	NNW
16	WCR2007-009560	1309.85	NNW
16	WCR2007-009557	1309.85	NNW
29	WCR2019-010853	2959.38	N
32	WCR1952-001468	1299.92	SSW
32	WCR1952-001482	1299.92	SSW
32	WCR0256939	1299.92	SSW
32	WCR2016-007506	1299.92	SSW
46	WCR2010-009860	3821.33	ENE
46	WCR2005-013258	3821.33	ENE
46	WCR1990-018153	3821.33	ENE
46	WCR1985-009678	3821.33	ENE
46	WCR0224792	3821.33	ENE
46	WCR0145300	3821.33	ENE
46	WCR0117967	3821.33	ENE
46	WCR1945-000535	3821.33	ENE
46	WCR0175192	3821.33	ENE
46	WCR1993-011284	3821.33	ENE
46	WCR0304386	3821.33	ENE
46	WCR2010-011180	3821.33	ENE
46	WCR0082422	3821.33	ENE
46	WCR1980-008067	3821.33	ENE
46	WCR1919-000116	3821.33	ENE
56	WCR2023-000945	4606.42	N
71	WCR0131075	3273.48	SE
71	WCR1979-006622	3273.48	SE
71	WCR1987-012166	3273.48	SE
71	WCR2005-014454	3273.48	SE
71	WCR0180143	3273.48	SE
71	WCR0132253	3273.48	SE
80	WCR2008-012101	3809.22	WNW
80	WCR0306855	3809.22	WNW
85	WCR1986-010204	4604.57	WSW
85	WCR0143772	4604.57	WSW
85	WCR1986-010128	4604.57	WSW
85	WCR2008-011196	4604.57	WSW
85	WCR0041694	4604.57	WSW
85	WCR1986-010231	4604.57	WSW
85	WCR2003-012345	4604.57	WSW
85	WCR2005-016359	4604.57	WSW

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	SE	0.08	433.49	2,426.27	PWSV

Address Line 2:
State Code: CA
Zip Code: 93534
City Name: LANCASTER
Address Line 1: 9020 WEST AVE J
PWS ID: CA1900304
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number:

--Details--
Population Served Count: 25
City Served:
County Served: Los Angeles
State Served: CA
Zip Code Served:

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SSW	0.09	451.16	2,443.03	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344123118174101
Station Name: 007N013W18Q003S
Site Type: Well
Latitude: 34.68970694000000
Longitude: -118.2956328000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	ESE	0.01	64.04	2,432.30	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344128118172501
Station Name: 007N013W18R001S
Site Type: Well
Latitude: 34.69109578000000
Longitude: -118.2911883000000
Date Drilled:
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	SW	0.07	389.97	2,451.88	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344122118174901
Station Name: 007N013W18Q001S
Site Type: Well
Latitude: 34.68942917000000
Longitude: -118.2978551000000
Date Drilled:
Well Depth: 450
Well Depth Unit: ft
Well Hole Depth: 450
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	ESE	0.04	225.40	2,429.16	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344124118172301
Station Name: 007N013W18R003S
Site Type: Well
Latitude: 34.68998470000000
Longitude: -118.2906327000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:

Wells and Additional Sources Detail Report

Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SW	0.06	315.43	2,453.49	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344121118175001
Station Name: 007N013W18Q002S
Site Type: Well
Latitude: 34.68915140000000
Longitude: -118.2981329000000
Date Drilled:
Well Depth: 200
Well Depth Unit: ft
Well Hole Depth: 200
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SE	0.04	214.63	2,429.95	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344100118170001
Station Name: 007N013W19A005S
Site Type: Well
Latitude: 34.68880556000000
Longitude: -118.2911110000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SE	0.09	497.93	2,429.80	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344117118172401
Station Name: 007N013W19A001S
Site Type: Well
Latitude: 34.68804035000000
Longitude: -118.2909105000000
Date Drilled: 19300101
Well Depth: 400

Well Depth Unit: ft
Well Hole Depth: 400
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SSE	0.04	212.24	2,435.71	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344114118172901
Station Name: 007N013W19A002S
Site Type: Well
Latitude: 34.68720705000000
Longitude: -118.2922994000000
Date Drilled: 19510101
Well Depth: 450
Well Depth Unit: ft
Well Hole Depth: 450
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	ESE	0.14	723.49	2,423.41	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344122118171701
Station Name: 007N013W17N001S
Site Type: Well
Latitude: 34.68942918000000
Longitude: -118.2889660000000
Date Drilled: 19521210
Well Depth: 602
Well Depth Unit: ft
Well Hole Depth: 602
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SSE	0.10	546.98	2,431.75	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344115118172501
Station Name: 007N013W19A004S
Site Type: Well
Latitude: 34.68748480000000

Longitude: -118.2911883000000
Date Drilled: 18900101
Well Depth: 75.0
Well Depth Unit: ft
Well Hole Depth: 75.0
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	NE	0.33	1,745.85	2,420.29	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344145118171701
Station Name: 007N013W17M001S
Site Type: Well
Latitude: 34.69581780000000
Longitude: -118.2889659000000
Date Drilled: 19550125
Well Depth: 601
Well Depth Unit: ft
Well Hole Depth: 601
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	NE	0.34	1,808.63	2,420.26	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344146118171701
Station Name: 007N013W17M002S
Site Type: Well
Latitude: 34.69609557000000
Longitude: -118.2889659000000
Date Drilled: 19270101
Well Depth: 450
Well Depth Unit: ft
Well Hole Depth: 450
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	ESE	0.21	1,092.62	2,419.56	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344119118171301

Wells and Additional Sources Detail Report

Station Name: 007N013W20Z002S
Site Type: Well
Latitude: 34.68859589000000
Longitude: -118.2878548000000
Date Drilled: 18900101
Well Depth: 560
Well Depth Unit: ft
Well Hole Depth: 560
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSW	0.23	1,197.02	2,470.12	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344111118175701
Station Name: 007N013W19D001S
Site Type: Well
Latitude: 34.68609597000000
Longitude: -118.2986885000000
Date Drilled: 19520818
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	SSE	0.14	755.43	2,429.34	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344106118171801
Station Name: 007N013W20E001S
Site Type: Well
Latitude: 34.68498490000000
Longitude: -118.2892438000000
Date Drilled: 19320101
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	ESE	0.37	1,975.74	2,410.97	FED USGS

Wells and Additional Sources Detail Report

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344122118170201
Station Name:	007N013W17P001S
Site Type:	Well
Latitude:	34.68942919000000
Longitude:	-118.2847992000000
Date Drilled:	19280101
Well Depth:	450
Well Depth Unit:	ft
Well Hole Depth:	450
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	SE	0.17	899.90	2,426.40	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344106118171601
Station Name:	007N013W20E002S
Site Type:	Well
Latitude:	34.68498490000000
Longitude:	-118.2886882000000
Date Drilled:	19560201
Well Depth:	605
Well Depth Unit:	ft
Well Hole Depth:	605
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NNE	0.55	2,922.41	2,422.05	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344200118171702
Station Name:	007N013W17E002S
Site Type:	Well
Latitude:	34.69998430000000
Longitude:	-118.2889659000000
Date Drilled:	19620101
Well Depth:	540
Well Depth Unit:	ft
Well Hole Depth:	540
W Hole Depth Unit:	ft
Formation Type:	

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NNE	0.55	2,922.41	2,422.05	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344200118171701
Station Name:	007N013W17E001S
Site Type:	Well
Latitude:	34.69998430000000
Longitude:	-118.2889659000000
Date Drilled:	19270101
Well Depth:	450
Well Depth Unit:	ft
Well Hole Depth:	450
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	ESE	0.40	2,089.45	2,410.76	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344115118170201
Station Name:	007N013W20C001S
Site Type:	Well
Latitude:	34.68748480000000
Longitude:	-118.2847992000000
Date Drilled:	19350101
Well Depth:	500
Well Depth Unit:	ft
Well Hole Depth:	500
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	N	0.74	3,886.53	2,434.92	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344213118173801
Station Name:	007N013W18B001S
Site Type:	Well
Latitude:	34.70359525000000
Longitude:	-118.2947994000000
Date Drilled:	
Well Depth:	700
Well Depth Unit:	ft
Well Hole Depth:	700

W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	N	0.75	3,984.59	2,433.55	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344214118173401
Station Name: 007N013W07R002S
Site Type: Well
Latitude: 34.70387300000000
Longitude: -118.2936882000000
Date Drilled:
Well Depth: 450
Well Depth Unit: ft
Well Hole Depth: 450
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	NNW	0.74	3,894.84	2,440.71	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344213118174901
Station Name: 007N013W18B002S
Site Type: Well
Latitude: 34.70359525000000
Longitude: -118.2978550000000
Date Drilled:
Well Depth: 700
Well Depth Unit: ft
Well Hole Depth: 700
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	N	0.76	3,990.76	2,432.24	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344214118173101
Station Name: 007N013W07R001S
Site Type: Well
Latitude: 34.70387300000000
Longitude: -118.2928549000000
Date Drilled: 19460606

Well Depth: 400
Well Depth Unit: ft
Well Hole Depth: 400
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	NNE	0.75	3,935.73	2,423.20	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344211118171701
Station Name: 007N013W17D002S
Site Type: Well
Latitude: 34.70303970000000
Longitude: -118.2889659000000
Date Drilled: 19450806
Well Depth: 505
Well Depth Unit: ft
Well Hole Depth: 505
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	NNE	0.76	4,030.44	2,423.43	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344212118171701
Station Name: 007N013W17D001S
Site Type: Well
Latitude: 34.70331750000000
Longitude: -118.2889659000000
Date Drilled: 19270101
Well Depth: 162
Well Depth Unit: ft
Well Hole Depth: 450
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	ESE	0.63	3,332.86	2,399.33	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344118118164601
Station Name: 007N013W20B001S
Site Type: Well

Latitude: 34.68831810000000
Longitude: -118.2803546000000
Date Drilled:
Well Depth: 307
Well Depth Unit: ft
Well Hole Depth: 307
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	ESE	0.64	3,361.74	2,399.36	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344116118164601
Station Name: 007N013W20B002S
Site Type: Well
Latitude: 34.68776260000000
Longitude: -118.2803546000000
Date Drilled: 19560101
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	WSW	0.38	2,017.60	2,496.32	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344109118182601
Station Name: 007N014W24A001S
Site Type: Well
Latitude: 34.68581819000000
Longitude: -118.3081333000000
Date Drilled:
Well Depth: 128
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	SSE	0.24	1,251.80	2,435.03	FED USGS

Reporting Agency: USGS California Water Science Center

Wells and Additional Sources Detail Report

Site Number: USGS-344050118171201
Station Name: 007N013W20M001S
Site Type: Well
Latitude: 34.68054066000000
Longitude: -118.2875770000000
Date Drilled: 19500101
Well Depth: 256
Well Depth Unit: ft
Well Hole Depth: 256
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	SE	0.37	1,966.30	2,417.14	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344055118170201
Station Name: 007N013W20F001S
Site Type: Well
Latitude: 34.68192950000000
Longitude: -118.2847992000000
Date Drilled: 19290301
Well Depth: 455
Well Depth Unit: ft
Well Hole Depth: 455
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	SSE	0.25	1,327.70	2,433.73	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344050118171101
Station Name: 007N013W20M002S
Site Type: Well
Latitude: 34.68054066000000
Longitude: -118.2872993000000
Date Drilled: 19620701
Well Depth: 350
Well Depth Unit: ft
Well Hole Depth: 350
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	NNW	0.77	4,052.50	2,448.79	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344213118180302
Station Name: 007N013W18C002S
Site Type: Well
Latitude: 34.70359524000000
Longitude: -118.3017440000000
Date Drilled: 19610628
Well Depth: 600
Well Depth Unit: ft
Well Hole Depth: 600
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	NNW	0.77	4,052.50	2,448.79	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344213118180301
Station Name: 007N013W18C001S
Site Type: Well
Latitude: 34.70359524000000
Longitude: -118.3017440000000
Date Drilled:
Well Depth: 479
Well Depth Unit: ft
Well Hole Depth: 512
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.86	4,532.67	2,413.96	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344211118170201
Station Name: 007N013W17C001S
Site Type: Well
Latitude: 34.70303974000000
Longitude: -118.2847990000000
Date Drilled: 19000101
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	NE	0.88	4,663.45	2,413.80	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344212118170101
Station Name:	007N013W17C002S
Site Type:	Well
Latitude:	34.70331750000000
Longitude:	-118.2845213000000
Date Drilled:	19000101
Well Depth:	414
Well Depth Unit:	ft
Well Hole Depth:	414
W Hole Depth Unit:	ft
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	SSE	0.34	1,811.84	2,432.80	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344046118170701
Station Name:	007N013W20M004S
Site Type:	Well
Latitude:	34.67942960000000
Longitude:	-118.2861882000000
Date Drilled:	
Well Depth:	153
Well Depth Unit:	ft
Well Hole Depth:	
W Hole Depth Unit:	
Formation Type:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	SSE	0.29	1,522.48	2,450.96	FED USGS

Reporting Agency:	USGS California Water Science Center
Site Number:	USGS-344042118171701
Station Name:	007N013W20M003S
Site Type:	Well
Latitude:	34.67831850000000
Longitude:	-118.2889660000000
Date Drilled:	
Well Depth:	500
Well Depth Unit:	ft

Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NE	0.90	4,762.33	2,403.21	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344201118164501
Station Name: 007N013W17Z003S
Site Type: Well
Latitude: 34.70026208000000
Longitude: -118.2800767000000
Date Drilled:
Well Depth: 270
Well Depth Unit: ft
Well Hole Depth: 270
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	NE	0.90	4,762.33	2,403.21	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344201118164502
Station Name: 007N013W17Z004S
Site Type: Well
Latitude: 34.70026208000000
Longitude: -118.2800767000000
Date Drilled:
Well Depth: 600
Well Depth Unit: ft
Well Hole Depth: 600
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	W	0.47	2,506.15	2,488.80	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344131118184101
Station Name: 007N014W13Q002S
Site Type: Well
Latitude: 34.69192904000000
Longitude: -118.3123000000000

Date Drilled: 18850101
Well Depth:
Well Depth Unit:
Well Hole Depth: 287
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	W	0.49	2,589.76	2,488.92	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344132118184201
Station Name: 007N014W13Q001S
Site Type: Well
Latitude: 34.69220680000000
Longitude: -118.3125778000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	NNE	0.96	5,066.11	2,423.10	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344223118171801
Station Name: 007N013W08N001S
Site Type: Well
Latitude: 34.70637290000000
Longitude: -118.2892436000000
Date Drilled: 19380101
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	ESE	0.69	3,638.37	2,398.17	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344102118164201
Station Name: 007N013W20G003S

Wells and Additional Sources Detail Report

Site Type: Well
Latitude: 34.68387387000000
Longitude: -118.2792435000000
Date Drilled:
Well Depth: 0.5
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNW	0.92	4,834.89	2,448.69	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344221118180301
Station Name: 007N013W07P001S
Site Type: Well
Latitude: 34.70581737000000
Longitude: -118.3017440000000
Date Drilled: 19471030
Well Depth: 600
Well Depth Unit: ft
Well Hole Depth: 600
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	SE	0.63	3,302.63	2,401.90	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344057118164601
Station Name: 007N013W20G002S
Site Type: Well
Latitude: 34.68248504000000
Longitude: -118.2803546000000
Date Drilled: 19481101
Well Depth: 400
Well Depth Unit: ft
Well Hole Depth: 400
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	E	0.88	4,626.26	2,390.55	FED USGS

Wells and Additional Sources Detail Report

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344135118163101
Station Name: 007N013W17Z002S
Site Type: Well
Latitude: 34.69304016000000
Longitude: -118.2761878000000
Date Drilled: 18900101
Well Depth: 300
Well Depth Unit: ft
Well Hole Depth: 300
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	SE	0.63	3,302.27	2,402.28	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344056118164601
Station Name: 007N013W20G001S
Site Type: Well
Latitude: 34.68220727000000
Longitude: -118.2803546000000
Date Drilled:
Well Depth: 111
Well Depth Unit: ft
Well Hole Depth: 111
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	ENE	0.93	4,921.30	2,393.52	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344148118163201
Station Name: 007N013W17Z001S
Site Type: Well
Latitude: 34.69665110000000
Longitude: -118.2764655000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	NW	0.83	4,405.17	2,472.81	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344209118183801
Station Name: 007N014W13A001S
Site Type: Well
Latitude: 34.70248416000000
Longitude: -118.3114666000000
Date Drilled: 19521212
Well Depth: 519
Well Depth Unit: ft
Well Hole Depth: 519
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	SSE	0.51	2,679.07	2,468.69	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344030118171601
Station Name: 007N013W20N001S
Site Type: Well
Latitude: 34.67498534000000
Longitude: -118.2886883000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	SSE	0.53	2,775.73	2,470.11	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344029118171601
Station Name: 007N013W20N002S
Site Type: Well
Latitude: 34.67470757000000
Longitude: -118.2886883000000
Date Drilled:
Well Depth: 500
Well Depth Unit: ft
Well Hole Depth: 500
W Hole Depth Unit: ft

Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	ESE	0.88	4,638.25	2,391.20	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344056118163001
Station Name: 007N013W20H002S
Site Type: Well
Latitude: 34.68220728000000
Longitude: -118.2759100000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	SE	0.88	4,638.14	2,391.25	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344055118163001
Station Name: 007N013W20H001S
Site Type: Well
Latitude: 34.68192950000000
Longitude: -118.2759100000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	W	0.84	4,413.22	2,496.64	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344143118190201
Station Name: 007N014W13L001S
Site Type: Well
Latitude: 34.69526220000000
Longitude: -118.3181335000000
Date Drilled: 19500901
Well Depth: 400

Well Depth Unit: ft
Well Hole Depth: 400
W Hole Depth Unit: ft
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	NW	0.99	5,200.89	2,481.01	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344211118185101
Station Name: 007N014W13B001S
Site Type: Well
Latitude: 34.70303968000000
Longitude: -118.3150778000000
Date Drilled:
Well Depth: 21.3
Well Depth Unit: ft
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SE	0.81	4,250.95	2,427.37	FED USGS

Reporting Agency: USGS California Water Science Center
Site Number: USGS-344031118164401
Station Name: 007N013W20Q001S
Site Type: Well
Latitude: 34.67526310000000
Longitude: -118.2797990000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Periodic Groundwater Level Measurement Locations

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	2,434.27	MONITOR WELLS

Station ID: 9152
Site Code: 346911N1182921W001
State Well No: 07N13W18R001S
WCR No:
Basin Region Code: 6
Basin Region Desc: San Joaquin River
Basin Region Actv: Y
Basin Region Order: 6

Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2432.8	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6911
Basin Name:	Antelope Valley	Longitude:	-118.292
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2432.8		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SW	0.01	45.70	2,456.43	MONITOR WELLS

Station ID:	30372	Basin Region Code:	6
Site Code:	346894N1182988W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W18Q001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2452.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6894
Basin Name:	Antelope Valley	Longitude:	-118.299
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2452.81		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.06	304.48	2,432.48	MONITOR WELLS

Station ID:	30373	Basin Region Code:	6
Site Code:	346880N1182918W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W19A001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2426.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.688
Basin Name:	Antelope Valley	Longitude:	-118.292
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2426.81		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SSE	0.06	303.06	2,432.99	MONITOR WELLS

Station ID:	30374	Basin Region Code:	6
Site Code:	346875N1182921W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W19A004S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2429.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6875
Basin Name:	Antelope Valley	Longitude:	-118.292
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2429.81		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NE	0.29	1,505.18	2,422.68	MONITOR WELLS

Station ID:	30369	Basin Region Code:	6
Site Code:	346958N1182899W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17M001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2420.79	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6958
Basin Name:	Antelope Valley	Longitude:	-118.29
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2420.79		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SW	0.23	1,190.40	2,476.36	MONITOR WELLS

Station ID:	9154	Basin Region Code:	6
Site Code:	346861N1182996W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W19D001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	

Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2472.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6861
Basin Name:	Antelope Valley	Longitude:	-118.3
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2472.81		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SSE	0.11	582.58	2,432.81	MONITOR WELLS

Station ID:	30375	Basin Region Code:	6
Site Code:	346850N1182896W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W20E002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2426.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.685
Basin Name:	Antelope Valley	Longitude:	-118.29
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2426.81		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	NNE	0.53	2,793.05	2,423.18	MONITOR WELLS

Station ID:	38160	Basin Region Code:	6
Site Code:	347000N1182899W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17E001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2420.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7
Basin Name:	Antelope Valley	Longitude:	-118.29
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2420.78		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNE	0.72	3,822.97	2,425.27	MONITOR WELLS

Station ID:	30368	Basin Region Code:	6
Site Code:	347030N1182899W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17D002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2423.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.703
Basin Name:	Antelope Valley	Longitude:	-118.29
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2423.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	N	0.74	3,891.52	2,436.55	MONITOR WELLS

Station ID:	9149	Basin Region Code:	6
Site Code:	347036N1182957W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W18B001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2436.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7036
Basin Name:	Antelope Valley	Longitude:	-118.296
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2436.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.76	3,995.25	2,434.20	MONITOR WELLS

Station ID:	30936	Basin Region Code:	6
Site Code:	347039N1182938W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W07R001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	

Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2432.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7039
Basin Name:	Antelope Valley	Longitude:	-118.294
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2432.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	NNE	0.74	3,927.79	2,425.40	MONITOR WELLS

Station ID:	39426	Basin Region Code:	6
Site Code:	347033N1182899W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17D001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2422.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7033
Basin Name:	Antelope Valley	Longitude:	-118.29
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2422.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	ESE	0.60	3,168.38	2,400.97	MONITOR WELLS

Station ID:	9155	Basin Region Code:	6
Site Code:	346878N1182813W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W20B002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2400.8	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6878
Basin Name:	Antelope Valley	Longitude:	-118.281
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2400.8		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNW	0.74	3,908.16	2,442.50	MONITOR WELLS

Station ID:	30371	Basin Region Code:	6
Site Code:	347036N1182988W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W18B002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2441.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7036
Basin Name:	Antelope Valley	Longitude:	-118.299
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2441.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	SSE	0.22	1,145.26	2,437.48	MONITOR WELLS

Station ID:	30376	Basin Region Code:	6
Site Code:	346805N1182885W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W20M001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2434.82	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6805
Basin Name:	Antelope Valley	Longitude:	-118.288
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2434.82		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NNW	0.79	4,173.98	2,451.97	MONITOR WELLS

Station ID:	9150	Basin Region Code:	6
Site Code:	347036N1183026W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W18C001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown

RPE:	2447.79	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7036
Basin Name:	Antelope Valley	Longitude:	-118.303
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2447.79		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NNW	0.79	4,173.98	2,451.97	MONITOR WELLS

Station ID:	9151	Basin Region Code:	6
Site Code:	347036N1183026W002	Basin Region Desc:	San Joaquin River
State Well No:	07N13W18C002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2447.79	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7036
Basin Name:	Antelope Valley	Longitude:	-118.303
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2447.79		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NE	0.91	4,788.46	2,402.89	MONITOR WELLS

Station ID:	30370	Basin Region Code:	6
Site Code:	347003N1182801W002	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17Z004S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2403.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7003
Basin Name:	Antelope Valley	Longitude:	-118.28
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2403.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NE	0.91	4,788.46	2,402.89	MONITOR WELLS

Station ID:	9148	Basin Region Code:	6
Site Code:	347003N1182801W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17Z003S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2403.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7003
Basin Name:	Antelope Valley	Longitude:	-118.28
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2403.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	E	0.89	4,685.37	2,389.95	MONITOR WELLS

Station ID:	9147	Basin Region Code:	6
Site Code:	346931N1182762W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17Z002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2391.79	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6931
Basin Name:	Antelope Valley	Longitude:	-118.276
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2391.79		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	NNW	0.93	4,929.77	2,451.58	MONITOR WELLS

Station ID:	8416	Basin Region Code:	6
Site Code:	347058N1183026W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W07P001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2449.78	GSE Method:	Unknown

Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7058
Basin Name:	Antelope Valley	Longitude:	-118.303
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2449.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NE	1.00	5,270.74	2,405.73	MONITOR WELLS

Station ID:	30367	Basin Region Code:	6
Site Code:	347030N1182815W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W17B002S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2404.78	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.703
Basin Name:	Antelope Valley	Longitude:	-118.281
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2404.78		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	W	0.57	3,017.12	2,493.32	MONITOR WELLS

Station ID:	10024	Basin Region Code:	6
Site Code:	346922N1183135W001	Basin Region Desc:	San Joaquin River
State Well No:	07N14W13Q001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2492.82	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6922
Basin Name:	Antelope Valley	Longitude:	-118.314
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2492.82		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	SE	0.82	4,310.60	2,393.87	MONITOR WELLS

Station ID:	9156	Basin Region Code:	6
Site Code:	346819N1182768W001	Basin Region Desc:	San Joaquin River
State Well No:	07N13W20H001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:		WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	2390.81	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.6819
Basin Name:	Antelope Valley	Longitude:	-118.277
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	2390.81		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	NW	0.85	4,494.21	2,473.96	MONITOR WELLS

Station ID:	10023	Basin Region Code:	6
Site Code:	347025N1183124W001	Basin Region Desc:	San Joaquin River
State Well No:	07N14W13A001S	Basin Region Actv:	Y
WCR No:		Basin Region Order:	6
Well Depth:	519	WLM Method:	
Well Use:	Unknown	WLM Accuracy:	
Monitoring Program:	CASGEM	GSE Accuracy:	Unknown
RPE:	2467	GSE Method:	Unknown
Basin ID:		County Name:	Los Angeles
Basin Code:	6-044	Latitude:	34.7025
Basin Name:	Antelope Valley	Longitude:	-118.312
Well Name:	344209118183801		
Well Type:	Single Well		
Ground Surface Elevation:	2467		

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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	E	0.04	211.48	2,432.38	WATER WELLS

WCR No:	WCR2021-005063	Decimal Lat(OSWCR):	34.6916722
Decimal Latitude:	34.6916722	Decim Long(OSWCR):	-118.2912333
Decimal Longitude:	-118.2912333		
Location:	44505 W 90th St. West ST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	44505 W 90th St. West ST		
City(OSWCR):	Lancaster		

County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No: WCR2006-012112
Decimal Lat(OSWCR): 34.69649
Decimal Latitude: 34.69649
Decim Long(OSWCR): -118.29798
Decimal Longitude: -118.29798
Location: 44949 91st Street West
City: Lancaster
County: Los Angeles
Location(OSWCR): 44949 91st Street West
City(OSWCR): Lancaster
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No: WCR2000-011416
Decimal Lat(OSWCR): 34.69649
Decimal Latitude: 34.69649
Decim Long(OSWCR): -118.29798
Decimal Longitude: -118.29798
Location: Pine Canyon Road
City: Lake Hughes
County: Los Angeles
Location(OSWCR): Pine Canyon Road
City(OSWCR): Lake Hughes
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No: WCR1776-004367
Decimal Lat(OSWCR): 34.69649
Decimal Latitude: 34.69649
Decim Long(OSWCR): -118.29798
Decimal Longitude: -118.29798
Location: 90TH ST WEST
City:
County: Los Angeles
Location(OSWCR): 90TH ST WEST
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water

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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR0096494	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR1986-010212	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:	96TH ST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	96TH ST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR2007-009558	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:	44851 91st Street West		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	44851 91st Street West		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR2007-009559	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:	44852 91st Street West		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	44852 91st Street West		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR2007-009560	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:	9150 W Kildare Street		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	9150 W Kildare Street		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.25	1,309.85	2,438.30	WATER WELLS

WCR No:	WCR2007-009557	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.29798
Decimal Longitude:	-118.29798		
Location:	44921 91st Street West		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	44921 91st Street West		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	N	0.56	2,959.38	2,434.26	WATER WELLS

WCR No:	WCR2019-010853	Decimal Lat(OSWCR):	34.70104
Decimal Latitude:	34.70104	Decim Long(OSWCR):	-118.29576
Decimal Longitude:	-118.29576		
Location:	9289 W Jackman ST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	9289 W Jackman ST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SSW	0.25	1,299.92	2,490.64	WATER WELLS

WCR No:	WCR1952-001468	Decimal Lat(OSWCR):	34.68193
Decimal Latitude:	34.68193	Decim Long(OSWCR):	-118.29789
Decimal Longitude:	-118.29789		
Location:	AVE J, 100TH ST WEST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	AVE J, 100TH ST WEST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SSW	0.25	1,299.92	2,490.64	WATER WELLS

WCR No:	WCR1952-001482	Decimal Lat(OSWCR):	34.68193
Decimal Latitude:	34.68193	Decim Long(OSWCR):	-118.29789
Decimal Longitude:	-118.29789		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SSW	0.25	1,299.92	2,490.64	WATER WELLS

WCR No:	WCR0256939	Decimal Lat(OSWCR):	34.68193
Decimal Latitude:	34.68193	Decim Long(OSWCR):	-118.29789
Decimal Longitude:	-118.29789		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SSW	0.25	1,299.92	2,490.64	WATER WELLS

WCR No:	WCR2016-007506	Decimal Lat(OSWCR):	34.68193
Decimal Latitude:	34.68193	Decim Long(OSWCR):	-118.29789
Decimal Longitude:	-118.29789		
Location:	9020 W Avenue J		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	9020 W Avenue J		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR2010-009860	Decimal Lat(OSWCR):	34.69654
Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		
Location:	W Dale Drive & Westmont Drive		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	W Dale Drive & Westmont Drive		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR2005-013258	Decimal Lat(OSWCR):	34.69654

Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		
Location:	90th Street & Avenue I		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	90th Street & Avenue I		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR1990-018153	Decimal Lat(OSWCR):	34.69654
Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		
Location:	85TH ST W		
City:			
County:	Los Angeles		
Location(OSWCR):	85TH ST W		
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR1985-009678	Decimal Lat(OSWCR):	34.69654
Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		
Location:	Avenue I-8 & 80th Street West		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	Avenue I-8 & 80th Street West		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR0224792	Decimal Lat(OSWCR):	34.69654
Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		

Location:
City:
County: Los Angeles
Location(OSWCR):
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR0145300
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location:
City:
County: Los Angeles
Location(OSWCR):
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR0117967
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location:
City:
County: Los Angeles
Location(OSWCR):
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR1945-000535
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location: NINETYTH ST W, AVE I
City:

County: Los Angeles
Location(OSWCR): NINETYTH ST W, AVE I
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR0175192
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location:
City:
County: Los Angeles
Location(OSWCR):
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR1993-011284
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location: 9045 W Jackman Street
City: Lancaster
County: Los Angeles
Location(OSWCR): 9045 W Jackman Street
City(OSWCR): Lancaster
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR0304386
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location:
City:
County: Los Angeles
Location(OSWCR):

City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR2010-011180
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location: W Dale Drive & Westmont Drive
City: Lancaster
County: Los Angeles
Location(OSWCR): W Dale Drive & Westmont Drive
City(OSWCR): Lancaster
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR0082422
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location:
City:
County: Los Angeles
Location(OSWCR):
City(OSWCR):
County(OSWCR): Los Angeles
Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No: WCR1980-008067
Decimal Lat(OSWCR): 34.69654
Decimal Latitude: 34.69654
Decim Long(OSWCR): -118.28052
Decimal Longitude: -118.28052
Location: EIGHTY THIRD WEST
City:
County: Los Angeles
Location(OSWCR): EIGHTY THIRD WEST
City(OSWCR):
County(OSWCR): Los Angeles

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	ENE	0.72	3,821.33	2,402.14	WATER WELLS

WCR No:	WCR1919-000116	Decimal Lat(OSWCR):	34.69654
Decimal Latitude:	34.69654	Decim Long(OSWCR):	-118.28052
Decimal Longitude:	-118.28052		
Location:	AVE I, 80TH ST W		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	AVE I, 80TH ST W		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	N	0.87	4,606.42	2,439.38	WATER WELLS

WCR No:	WCR2023-000945	Decimal Lat(OSWCR):	
Decimal Latitude:	34.7055556	Decim Long(OSWCR):	
Decimal Longitude:	-118.2972222		
Location:	45320 W 95th St. ST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):			
Original Source:	California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR0131075	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR1979-006622	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:	AVE K, 85TH ST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	AVE K, 85TH ST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR1987-012166	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:	W AVE J		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	W AVE J		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR2005-014454	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:	44131 80th Street West		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	44131 80th Street West		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR0180143	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	SE	0.62	3,273.48	2,402.53	WATER WELLS

WCR No:	WCR0132253	Decimal Lat(OSWCR):	34.68194
Decimal Latitude:	34.68194	Decim Long(OSWCR):	-118.28045
Decimal Longitude:	-118.28045		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	WNW	0.72	3,809.22	2,485.04	WATER WELLS

WCR No:	WCR2008-012101	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.31546
Decimal Longitude:	-118.31546		
Location:	108th Street W & Avenue I		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	108th Street W & Avenue I		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	WNW	0.72	3,809.22	2,485.04	WATER WELLS

WCR No:	WCR0306855	Decimal Lat(OSWCR):	34.69649
Decimal Latitude:	34.69649	Decim Long(OSWCR):	-118.31546
Decimal Longitude:	-118.31546		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR1986-010204	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:	K ST, 110 ST WEST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	K ST, 110 ST WEST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR0143772	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR1986-010128	Decimal Lat(OSWCR):	34.68191

Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:	ONE HUNDRED TEN , K WEST		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	ONE HUNDRED TEN , K WEST		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR2008-011196	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:	100th Street West & Avenue J-8		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	100th Street West & Avenue J-8		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR0041694	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:			
City:			
County:	Los Angeles		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR1986-010231	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		

Wells and Additional Sources Detail Report

Location:	105th W AVE
City:	
County:	Los Angeles
Location(OSWCR):	105th W AVE
City(OSWCR):	
County(OSWCR):	Los Angeles
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR2003-012345	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:	Avenue K		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	Avenue K		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WSW	0.87	4,604.57	2,558.42	WATER WELLS

WCR No:	WCR2005-016359	Decimal Lat(OSWCR):	34.68191
Decimal Latitude:	34.68191	Decim Long(OSWCR):	-118.31535
Decimal Longitude:	-118.31535		
Location:	Silverwind & J-13		
City:	Lancaster		
County:	Los Angeles		
Location(OSWCR):	Silverwind & J-13		
City(OSWCR):	Lancaster		
County(OSWCR):	Los Angeles		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *LOS ANGELES* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *LOS ANGELES* County

No Measures/Homes:	69
Geometric Mean:	0.4
Arithmetic Mean:	0.7
Median:	0.5
Standard Deviation:	1
Maximum:	5.6
% >4 pCi/L:	1
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

Wells from NWIS — **FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIW dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well, Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

Appendix

State Sources

Oil and Gas Wells **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

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APPENDIX D: QUALIFICATIONS

PARTNER

Brooklynn Marcus
Staff Assessor

Education

Ms. Marcus obtained a degree in Environmental Science and Policy with a minor in Geography from California State University, Long Beach. Coursework included extensive research into environmental policies, biology, geography, geology, and economics. Due to her comprehensive education, she is well-informed in environmental policies such as the National Environmental Policy Act, the California Environmental Quality Act, and urban planning.

Highlights

Phase I Environmental Site Assessments
Transaction Screen Assessments
Environmental Desktop Reports

Experience Summary

Ms. Marcus is a Staff Assessor with one year of experience with Partner Engineering and Science, executing Phase I Environmental Site Assessments and other environmental due diligence reports. The assessor's role is to determine potential environmental hazards through analytical research, such as reviewing historical documents, interviews, and field site visits.

While working with Partner Engineering and Science, she has become proficient at completing over twenty environmental due diligence reports monthly. As a result, I also have strong writing and editing skills and exceptional communication skills.

Specific Duties Include:
·Completing and finalizing specific project tasks according to deadlines and within budget
·Project research (historical, analytical, etc.)
·Communication with client and subject site representatives
·Data compilation and organization
·Report author, including quality supporting documents (site figures, appendices, etc.)

Project Experience

Ms. Marcus is a new team member with Partner Engineering and Science. Extensive training will allow her to complete Phase I Environmental Site Assessments and other environmental due diligence reports on various property types, such as commercial, industrial, multi-family, etc. throughout the United States.

22-39211.1-4, Santa Fe Springs, California. Conducted the site assessment for four development sites which included over 100 oil wells and approximately 30 acres of land.

22-382130.1, Los Angeles, California. Identified a historic Underground Storage Tank (UST) on the subject property through regulatory record reviews and historical analysis. The UST did not have records of removal, and Phase II was recommended due to the UST and the extensive contamination of the surrounding areas due long term to industrial manufacturing.

22-385655.1, Saint Louis, Missouri. Identified a release of Trichloroethene (TCE) which was reported to contaminate groundwater within proximity of the subject property. After submitting the report, an additional file review was conducted to determine the extent of the contamination. A Phase II was recommended and executed by Partner due to the Desktop Report.

Speaking

Previous experience at the Aquarium of the Pacific as an education volunteer has resulted in proficient skills in public speaking and explaining complex to groups.

Contact

Bamarcus@partneresi.com
Mobile: 310-294-0700
Desk: 310-622-8853

PARTNER

Laura Mohlenkamp
Project Manager

Education
BS, Environmental Science, University of Nevada, Reno

Training
OSHA 40 Hour Hazwoper

Highlights
Ms. Mohlenkamp qualifies as an Environmental Professional with more than 5 years of environmental consulting and project management experience including preparing, reviewing, and managing all aspects of Phase I Environmental Site Assessments (ESAs) in commercial real estate transactions and large scale commercial and residential developments following the current ASTM (AAI) guidelines.

Experience Summary
Specializing in high volume and large-scale projects, Ms. Mohlenkamp has experience in all stages of environmental projects including Phase I ESAs and Phase II analysis. Ms. Mohlenkamp's technical skills include maintaining and meeting project scope and financial responsibilities; client management and communication; coordinating with professional staff, regulatory agencies, and subcontractors; reviewing and evaluating environmental data; preparing and reviewing technical writing documents; preparing project proposals; preparing presentations; and communicating with senior and junior staff.

- Project Management
- Environmental Due Diligence (Phase I ESA)
- Risk and Data Evaluation
- Client Relations and Business Development

Project Experience
Ms. Mohlenkamp's experience includes agricultural properties, industrial manufacturing facilities, plating facilities, fueling and automobile repair facilities, chemical distribution facilities, aerospace engineering facilities, former military bases, medical facilities, hotels and resorts, multi-family apartment complexes, and multi-tenant retail shopping centers with dry cleaning facilities.

Contact
lmohlenkamp@partneresi.com

PARTNER

Mark Lambson
Principal

Education

Bachelor of Arts Degree, Public Administration & Economics, San Diego State University
Executive MBA Program, 2000-2003

Highlights

Over 25 years of experience in the environmental and engineering consulting industry.
Deep understanding of the Commercial Real Estate business process.
Nationwide capabilities and expertise.
Vast experience in managing and delivering multi-site portfolio projects.

Experience Summary

Mark Lambson is a true veteran of the commercial real estate services industry. He has over 25 years of experience managing and performing environmental and engineering consulting projects on a national level. Mr. Lambson serves as a Principal for PARTNER and is located in PARTNER's San Diego County office. Mr. Lambson's team currently provides client management and consulting to a nationwide client base and specializes in advising "Equity" clients during the acquisition phase of commercial property transactions in the U.S., Mexico, and Canada.

Mr. Lambson has assisted clients on over 25,000 commercial real estate transactions throughout his career. His due diligence resume includes experience at all levels. This includes advising REITs, developers, property managers, retail companies, commercial real estate brokers, mortgage brokers, attorneys, lenders, universities, and real estate investment groups with the following nationwide services:

- Property Condition Assessments (PCAs)
- Individual Building System Inspections for Roof, Mechanical Electrical Plumbing + Fire/Life Safety (MEP+FLS), Elevator, Structure, Façade, Building Technology, and ADA/Accessibility
- Facility Condition Assessments (FCAs)
- Phase I Environmental Site Assessments (ESAs)
- Phase II Subsurface Investigations (Soil, soil-vapor, and groundwater sampling and analysis)
- Phase III Environmental Remediation Services & Cost Estimates
- Asbestos, Lead, Radon, Mold Sampling
- Seismic Risk Assessments and Structural Assessments (Seismic PMLs)
- Energy Audits, Benchmarking, ESG, and LEED-related services
- Hydrology, Water Conservation and Efficiency
- Fannie Mae / Freddie Mac / HUD Due Diligence
- Geotechnical and Soils Reports
- Construction Services (Doc & Cost Review, Progress Monitoring, Funds Control)
- Zoning Reports
- ALTA Surveys

Building Sciences
The One, Bel Air, California – Performed Geotechnical/Soils, Engineering, Environmental and Land Surveying for record-setting 74,000 square foot mega-mansion development that listed for $500 million. The highest residential price tag in Los Angeles County history.

Class A Office Campus Acquisition in the San Francisco Bay Area – Performed Property Condition Assessment, MEP+FLS Report, Roof Report, Elevator Report, Structural and Seismic Assessment.

National Bank Branch Locations - ADA Compliance and Accessibility Reviews.

Environmental Assessments
Phase I and Phase II Environmental Site Assessments for a 75-acre aerospace facility in the Northwest U.S.
Over 500 Phase I Environmental Site Assessments for a national fast-food chain
Dry Cleaner Remediation projects in California, Washington, Hawaii, Arizona, Texas, Nevada, and Florida.
Environmental consulting for over 2 million acres of desert land in California, Nevada, and Arizona

Land Surveys
ALTA Surveys for 2400-unit apartment portfolio in the Midwest

Multi-Site Portfolios
113-site office portfolio acquisition for a national REIT
122-site hotel portfolio for a national lending institution
77-site grocery-anchored shopping center portfolio for prominent retail chain
55-site hotel portfolio acquisition for a private investment group
68-site healthcare portfolio acquisition for a national REIT
50-site country club/golf course portfolio acquisition for a private investment group

Energy and Water Efficiency
Energy Efficiency & Water-use consulting for a national property owner that operates and manages 30 retail and office centers on the West Coast and Texas

Affiliations

National Association of Real Estate Investment Trusts (NAREIT)
International Council of Shopping Centers (ICSC)
U.S Green Building Council (USGBC)
Society of Industrial and Office Realtors, San Diego County (SIOR)
National Association of Industrial & Office Parks, Southern California (NAIOP)
San Diego Habitat Conservancy, Board of Directors. 2010 - 2014

Speaking

Bisnow Conference, Panel Moderator, La Jolla, CA, October 2014. Moderated panel on Southern California Real Estate Trends.

Globestreet, ICSC Western States Conference, San Diego, CA May 2013. Video interview regarding retail real estate trends and due diligence.

Publications

Shopping Centers Today, 2010. Authored article on LEED applications for shopping centers and retail assets.

Contact

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