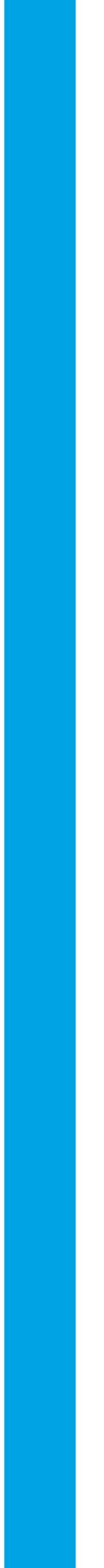


**APPENDIX F – PHASE I ENVIRONMENTAL SITE ASSESSMENT, HUDSON RANCH  
GEOHERMAL PLANT**



## Phase I ESA Report

# Hudson Ranch Geothermal Plant

## 409 W. McDonald Road

### Calipatria, California

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Prepared for:

### **iCON Infrastructure Canada Inc.**

155 Wellington Street West  
Suite 2930  
Toronto, ON M5V 3H1, Canada



Prepared by:



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**October 2019**



Engineering And  
Information Technology

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October 25, 2019  
(Revised December 2, 2019)

Mr. Jamie Manson  
iCON Infrastructure Canada Inc.  
155 Wellington Street West  
Suite 2930  
Toronto, ON M5V 3H1, Canada

**Phase I Environmental Site Assessment Report  
Hudson Ranch 1 Geothermal Power Plant Area  
409 W. McDonald Road  
Calipatria, California  
*GSL Report No. GS1921***

Dear Mr. Manson:

We have performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM E1527-13 of the property located at 409 W. McDonald Road northwest of Calipatria, California. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report. **This assessment has revealed recognized environmental conditions (REC's) in connection with the property.**

**There is potential for evaporite deposits located around the abandoned carbon dioxide wells containing potential hazardous substances. The chemical characteristics of the deposits is unknown.**

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

Attached is our report which describes the procedures used and results of the assessment. If you have any questions or require additional information, please do not hesitate to contact the undersigned at (760) 337-1100. We appreciate the opportunity to provide our professional review for this subject property.

Respectfully Submitted,  
**GS Lyon Consultants, Inc.**

  
Peter E. LaBrucherie, PE  
Consulting Engineer



  
Jeffrey O. Lyon, PE  
Principal Engineer



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## **APPENDICES**

- Appendix A: Site Photographs
- Appendix B: Vicinity, Site, and Soils Maps
- Appendix C: Historical Aerial Photographs
- Appendix D: Historical Topographic Maps
- Appendix E: EDR Sanborn Fire Insurance Maps
- Appendix F: EDR Environmental Records Search Report
- Appendix G: Other Environmental Records Search Results
- Appendix H: EDR Street Directories
- Appendix I: User Questionnaire and EDR Environmental Lien and AUL Search
- Appendix J: 2019 Landmark Groundwater Monitoring Report
- Appendix K: Resumes of Environmental Professionals

## **1.0 INTRODUCTION**

### **1.1 Purpose**

GS Lyon Consultants, Inc. was retained by Hudson Ranch Power 1, LLC to conduct a Phase I Environmental Site Assessment (ESA) for the Property (herein referred to as the subject property or subject property in this Phase I ESA Report) as a prerequisite to property transaction (purchase, sale, refinance, etc.). The subject property is located at 409 W. McDonald Road approximately 6 miles northwest of Calipatria, California. See Plate 1 in Appendix B for a Vicinity Map of the subject property.

The purpose of this Phase I Environmental Site Assessment (ESA) is to identify, to the extent feasible, recognized environmental conditions (RECs) associated with past and present activities on the subject property or in the immediate subject property vicinity in general conformance to ASTM Standard E1527-13 “*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*” that may affect future uses of the subject property.

This report is intended to satisfy the Phase I ESA portion of “*all appropriate inquiry*” into the previous ownership and uses of the subject property as defined under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) at Title 42 of the United States Code (U.S.C.) §9601(35)(B) and in accordance with 40 Code of Federal Regulations (CFR) Part 312, Standards and Practices for All Appropriate Inquiries; Final Rule (AAI Rule).

### **1.2 Scope of Services**

The scope of work for this ESA is in general accordance with the requirements of ASTM Standard E1527-13. This assessment included:

- Reconnaissance of the subject property and adjacent properties
- Review user-provided information
- Interviews with persons with significant knowledge of the subject property
- Review of a regulatory database report provided by a third-party vendor
- Review readily-available historical sources (including but not limited to: aerial photographs, fire insurance maps, property tax files, recorded land title records, and topographical maps)
- Prepare report of findings

### 1.3 Limitations

No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a property. Conformance of this assessment with ASTM Standard E1527-13 is intended to reduce, but not eliminate uncertainty regarding the potential for RECs in connection with the Subject Property. While GS Lyon has made reasonable effort to discover and interpret available historical and current information on the property within the time available, the possibility of undiscovered contamination remains. Our assessment of the subject property and surrounding areas was conducted in accordance with ASTM guidelines and the *generally accepted environmental engineering standard of practice* which existed in Imperial County, California at the time that the report was prepared. No warranty, express or implied, is made.

GS Lyon Consultants, Inc. derived the data in this report primarily from visual inspections, examination of public records and information in the public domain, informal interviews with individuals, and readily available information about the subject property. The passage of time, manifestation of latent conditions or occurrence of future events may require further exploration of the subject property, analysis of the data, and reevaluation of the findings, observations, and conclusions expressed in this report.

The findings, observations, and conclusions expressed by GS Lyon Consultants in this report are not, and should not be considered, an opinion concerning the compliance of any past or present owner or operator of the subject property with any federal, state or local law or regulation.

This report should not be relied upon after **180 days** from September 5, 2019, the date of the earliest report component, unless additional services are performed as defined in ASTM E1527-13 - Section 4.7.

### 1.4 Deviations or Data Gaps

ASTM Standard E1527-13 requires any significant data gaps, deviations, and deletions from the ASTM Standard to be identified and addressed in the Phase I ESA. A significant data gap would be one that affected the ability to identify a REC on the subject property or adjacent properties.

Through the course of this assessment, *data failures* or *data gaps* may have been encountered. These failures or gaps, if any, are discussed below. The following provides the opinion of the Environmental Professional as to the significance of the data gaps in terms of defining *recognized environmental conditions* at the subject property.

Data failures may or may not be significant data gaps, and the discussion also provides information pertaining to whether the data failures resulted in significant data gaps.

#### **1.4.1 Data Failures**

*Data failure* is a failure to achieve the historical (property use) research objectives specified in the ASTM Standard Practice even after reviewing the eight standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

No *data failures* were encountered during this investigation.

#### **1.4.2 Data Gaps**

A *data gap* is a lack of or inability to obtain information required by the ASTM Standard Practice, despite good faith efforts by the Environmental Professional to gather such information. This could include any component of the Practice, e.g., standard environmental records, interviews, or a complete reconnaissance. A data gap by itself is not inherently significant, but if other information and/or the EP's experience raises reasonable concerns about the gap, it may be judged to be significant.

Aerial photographs and other historical records were not available at 5 year intervals as required under the ASTM E1527-13 standard. Sanborn Fire Insurance maps are also not available for the subject property due to the rural location of the subject property. This resulted in a data gap for years that records were not available regarding the area of the subject property. However, based upon other historical information reviewed and general lack of significant changes in the appearance of the subject property in the years data is available, most of the subject property has been an agricultural field or duck ponds (shallow ponds used for duck hunting) from the 1930's until 2011 when the HR1 geothermal plant was constructed. There have been exploratory geothermal wells made on the subject property in the late 1970's and 1980's, a map of the former well sites is depicted on Plate 2d, Former Well Sites. The data gap is not considered to be significant.

### **1.5 Significant Assumptions**

In preparing this report, GS Lyon Consultants, Inc. has relied upon and presumed accurate certain information (or the absence thereof) about the subject property and adjacent properties by governmental officials and agencies, the Client, and others identified herein.

Except as otherwise stated in the report, GS Lyon Consultants has not attempted to verify the accuracy or completeness of any such information.

## **1.6 User Reliance**

This report has been prepared on behalf of and for the exclusive use of iCON Infrastructure Canada, Inc. and Hudson Ranch Power 1, LLC for the particular subject property identified in this report, and is subject to and issued in connection with the referenced Agreement and the provisions thereof. This report should not be relied upon by any party other than the client, its legal counsel, and financial institution without the express permission of GS Lyon Consultants, Inc. Any reliance on this report by other parties shall be at such party's sole risk. Any future consultation or provision of services to third parties related to the subject property requires written authorization from Hudson Ranch Power 1, LLC. or their representatives. Any such services may be provided at GS Lyon Consultants sole discretion and under terms and conditions acceptable to GS Lyon Consultants, including potential additional compensation.

## **2.0 SITE DESCRIPTION**

### **2.1 Site Location and Legal Description**

The subject property (APN 020-100-044, 020-010-035, 020-010-034, and 020-010-032) is located at 409 W. McDonald Road approximately 6 miles northwest of Calipatria, California. The subject property location is depicted on Plate 1, Vicinity Map.

### **2.2 Current Property Use and Description**

The subject property, approximately 684 acres total, currently consists of the approximately 65 acre Hudson Ranch geothermal power plant facility (plant site) located on the southern portion of the subject property on the south side of McDonald Road and the approximately 619 acre Hudson Ranch geothermal resource area (HRGRA), leased mineral rights from Magma Power Company, to the north of the power plant facility. A map of the subject property is depicted on Plate 2a, Site Map.

Plant Site: The approximately 65 acre Hudson Ranch 1 geothermal power plant facility includes raw (irrigation) water storage pond used for cooling towers and plant operations located on the east side of the power plant facility. A dry storm water retention basin located in the southeast corner of the facility. The power plant facility is located in the central portion of the plant site. A mineral extraction pilot plant is located on 8.3 acres (9.3 acres including fenced entry driveway) in the southwest portion of the plant site. The mineral extraction pilot plant was used in the past by Simbol Company to test the viability of extracting minerals from geothermal brine fluid at the HR1 plant. The minerals plant was cleaned to the requirements of the USEPA and California EPA and closed by Simbol several years ago. The pilot plant is currently being used by ES Mineral to conduct further testing of the process.

An equipment storage area (boneyard) is located on the west portion of the subject site. A concrete lined brine water storage basin with secondary containment liner and groundwater monitoring wells is located on the south side of the power generation area of the plant. A map of the Geothermal Plant Facility is depicted on Plate 2b, Site Map.

HRGRA: The approximately 619 acre Hudson Ranch geothermal resource area is owned by Magma Power Company with mineral lease to Hudson Ranch. This area is located to the north of the power plant facility (Plant Site) is bounded by McDonald Road on the south, Davis Road on the west, Pound Road on the north and an agricultural field road to the east. An old abandoned CO2 dry ice plantsite is located on 10 acres at the southeast corner of Pound and Davis Roads.

The 619 acre Geothermal Resource Area is composed of fallow agricultural land and duck ponds (for duck hunting clubs). Four active geothermal well pads are located within the resource area and depicted on Plate 2a, Site Map – Subject Property.

### **2.3 Adjoining Property Use**

The subject property is located within an agricultural area with a geothermal development overlay northwest of Calipatria, California. Adjacent properties consist of vacant land to the east, abandoned dry duck hunting ponds to the south, active water filled duck hunting ponds and geothermal wells to the north, and vacant land adjacent to the Salton Sea, an inland saltwater lake, to the west. An algae farm (shallow circulating ponds) is located southeast of the subject property. Several carbon dioxide (CO<sub>2</sub>) gas driven mud volcanoes, active for over 100 years, are located on a vacant parcel southwest of the HR1 Plant and on the old dry ice plant site adjacent to the northwest corner of the site.

The subject property is located adjacent to the Salton Sea (approximately ½-mile west), an inland saltwater lake with no outlet. Agricultural tailwater runoff and periodic storm water runoff supply the majority of the water in the lake. Industrial and wastewater plant outfalls from Mexicali, Baja California also flow to the Salton Sea via the New River.

### **2.4 Physical Site Characteristics**

Topography: Topographic maps (USGS 7.5 minute Niland, CA Quadrangle) indicate that the subject property elevation is approximately 215 to 227 feet below mean sea level (MSL) or elevation 785 to 773 (local datum). The Imperial Irrigation District, which supplies power and raw (irrigation) water to the area, established local datum by equating mean sea level to El. 1000.00 feet.

Geologic Setting: The subject property is located in the Colorado Desert Physiographic province of southern California. The dominant feature of the Colorado Desert province is the Salton Trough, a geologic structural depression resulting from large-scale regional faulting. The trough is bounded on the northeast by the San Andreas Fault and the southwest by faults of the San Jacinto Fault Zone. The Salton Trough represents northward extension of the Gulf of California, which has experienced continual in-filling with both marine and non-marine sediments since the Miocene Epoch (25 million years before present). The tectonic activity that formed the trough continues at a high rate as evidenced by deformed young sedimentary deposits and high levels of historic seismicity.

The subject property is directly underlain by Holocene (0-11,000 years before present) Cahuilla Lake sediments, which consist of interbedded lenticular and tabular sand, silt, and clay. The predominant surface soil is silty clay. The Holocene lake deposits are considered to be less than 100 feet thick and are characterized by surficial clay and silt deposits with varying amounts of fine sand. The topography of the Imperial Valley is relatively flat, with few significant land features. The valley floor slopes gently to the north (less than 0.5 percent) from an elevation of sea level at Calexico to approximately 225 feet below sea level at the Salton Sea.

Soil Conditions: The U. S. Soil Conservation Service compiled a map of surface soil conditions and published a soil survey report including maps in 1980. The soil survey maps indicate that surficial deposits at the subject property and surrounding area consist predominantly of silty clay and silty clay loams of the Imperial and Imperial-Glenbar soil groups (see Appendix B). These loams are formed in sediment and alluvium of mixed origin (Colorado River overflows and fresh-water lake-bed sediments). Based on Unified Soil Classification System presented in the Soils Survey Report, the permeability of these soils is expected to be low to very low.

Groundwater Conditions: The groundwater in the vicinity of the subject property is brackish and is encountered at a depth of approximately 12 feet below the ground surface. Depth to groundwater may fluctuate due to localized geologic conditions, precipitation, irrigation, height of the Salton Sea, drainage and construction practices in the region. Based on the regional topography, groundwater flow is assumed to be generally towards the west within the subject property area. Flow directions may also vary locally in the vicinity of the subject property. Groundwater depth and quality is measured and evaluated semi-annually by Landmark Consultants, Inc. of El Centro, California at the brine pond for the HR1 Plant.

### **3.0 USER PROVIDED INFORMATION**

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 provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiry* is not complete. The user was asked to provide information or knowledge of the following:

- Environmental cleanup liens that are filed or recorded against the subject property.
- Activity and land use limitations that are in place on the subject property or that have been filed or recorded in a registry.
- Specialized knowledge or experience of the person seeking to qualify for the LLPs.
- Relationship of the purchase price to the fair market value of the *property* if it were not contaminated.
- Commonly known or *reasonably ascertainable* information about the *property*.
- The degree of obviousness of the presence or likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation.
- The reason for preparation of this Phase I ESA.

A user questionnaire was provided to the user to aid in gathering information that may be pertinent to the evaluation of the subject property for environmental conditions. The completed user questionnaire is provided in Appendix I.

#### **3.1 Title Records**

GS Lyon was not provided with title records for review as part of this assessment.

#### **3.2 Environmental Liens or Activity and Use Limitations**

An environmental lien is a charge, security, or encumbrance upon the title to a property to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or petroleum products upon the property. According to the User Questionnaire, Jurg Heuberger, Senior Vice President and Environmental Compliance Officer, Hudson Ranch Power 1, LLC. is not aware of any Environmental Liens or Activity and Use Limitations associated with the subject property that have been filed or recorded under federal, tribal, state or local law (Appendix I).

GS Lyon Consultants contracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to conduct a search of environmental liens for the subject property. According to the EDR environmental lien report, there are no environmental liens associated with the subject property. The EDR environmental lien report is included in Appendix I.

**3.3 Specialized Knowledge**

According to the User Questionnaire, Mr. Heuberger is not aware of any specialized knowledge or experience associated with the subject property or nearby properties.

**3.4 Commonly Known or Reasonable Ascertainable Information**

No information was provided by the Client regarding any commonly known or reasonably ascertainable information within the local community that is material to RECs in connection with the subject property.

**3.5 Valuation Reduction for Environmental Issues**

The client indicated that the valuation of this property reasonably reflects the fair market value of the property with no discounts for environmental issues.

**3.6 Owner, Property Manager, and Occupant Information**

The current owners of the subject property parcels are:

APN 020-100-044	Hudson Ranch Power 1, LLC	65 acres
APN 020-010-032	Magma Power Company	146 acres
APN 020-010-034	Magma Power Company	7 acres
APN 020-010-035	Magma Power Company	466 acres

**3.7 Previous Reports and Other Provided Documentation**

No previous reports or other pertinent documentation was provided to GS Lyon for review during the course of this assessment other than:

GS Lyon prepared a Phase I ESA report for the approximately 65 acre Hudson Ranch geothermal power plant facility in August 2019 (GSL Report No. GS1910, dated August 7, 2019). GS Lyon reviewed that report as part of this site assessment.

Mr. Jurg Heuberger, Senior Vice President of Hudson Ranch Power 1, LLC, provided a copy for our review of a Phase I Environmental Site Assessment Update for the Hudson Ranch I Geothermal Property Area, prepared by Environmental Management Associates (EMA) of Brea, California in February 2010 (EMA Report No. 1988-05, dated February 2010).

Melissa Foster of Stoel Rivers, LLP provided for our review documentation of State Well 2-14, Imperial 1-13 well and Hudson-1 well abandonment records on October 28, 2019. Ms. Foster also provided Salton Sea Scientific Drilling Project Final Report for our review on November 20, 2019.

## **4.0 RECORDS REVIEW**

A review of historic aerial photographs (Appendix C), historic topographic maps (Appendix D), historic Sanborn Fire Insurance maps (Appendix E), governmental regulatory databases (Appendix F), other regulatory and agency databases (Appendix G), and historic telephone and city directories (Appendix H) was performed to evaluate potentially adverse environmental conditions resulting from previous ownership and uses of the subject property. The details of the review are presented in Sections 4.1 through 4.5 of this report.

### **4.1 Regulatory Database Review**

#### **4.1.1 Standard Environmental Record Sources**

GS Lyon Consultants contracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut which queries and maintains comprehensive environmental databases and historical information, including proprietary databases, aerial photography, topographic maps, Sanborn Maps, and city directories to generate a compilation of Federal, State and Tribal regulatory lists containing information regarding hazardous materials occurrences on or within the prescribed radii of ASTM E1527-13. The search of each database was conducted using the approximate minimum search distances from the subject property defined by the ASTM E1527-13 Standard. The purpose of the records review is to obtain and review *reasonably ascertainable* records that will help identify *recognized environmental conditions* or *historical recognized environmental conditions* in connection with the subject property.

EDR's Phase I ESA search package was ordered and performed on September 5, 2019. The search package included: Radius Map with Geocheck, aerial photographs, historic topographic maps, Sanborn maps, building permits, city directory, and property tax information.

The results of EDR's search were used to evaluate if the subject property and/or properties within prescribed search distances are listed as having a past or present record of actual or potential environmental impact. Inclusion of a property in a government database list does not necessarily indicate that the property has an environmental problem.

The following is a brief synopsis of sites identified in the EDR Radius Map with Geocheck report. The government record search report is included in its entirety in Appendix F.

### **Federal NPL List**

The Environmental Protection Agency's (EPA) National Priorities List (NPL) of uncontrolled or abandoned hazardous waste sites was reviewed for risk sites within a 1 mile radius of the subject property. The NPL identifies sites for priority cleanup and long-term care of properties under the Superfund Program that are contaminated with hazardous substances.

The database search did not identify any NPL sites within 1 mile of the subject property.

### **Federal CERCLIS List**

The EPA's Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) listings were reviewed to determine if risks sites within ½ mile are listed for investigation. The CERCLIS database identifies hazardous waste sites that are on or proposed to be included in the NPL and sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment.

The CERCLIS database search did not identify any risk sites within 0.5 mile of the subject property.

### **Federal CERCLIS – No Further Remedial Action Planned**

The EPA's CERCLIS – No Further Remedial Action Planned (NFRAP) database was reviewed to determine if risks sites within ½ mile are listed. CERCLIS NFRAP site are risk sites that have been removed from and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at the subject property has been completed and the EPA has determined that no further steps will be taken to list this subject property on the NPL, unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time.

This designation is for sites where no contamination was found, contamination was quickly removed without the need for the subject property to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

The CERCLIS – NFRAP database search did not identify any risk sites within ½ mile of the subject property.

### **Federal RCRA List**

The Federal Resource Conservation Recovery Act (RCRA) Notifiers List was reviewed to determine if RCRA treatment, storage or disposal sites (TSD) are located within 1 mile of the subject property. The RCRA Correction Action Sites List (CORRACTS) is maintained for risk sites which are undergoing “a corrective action”. A corrective action order is issued when there has been a release of hazardous waste constituents into the environment from a RCRA facility.

The RCRA and RCRA CORRACTS database searches did not identify any RCRA TSD or RCRA CORRACTS risk sites within ½ mile of the subject property.

The RCRA regulated hazardous waste generator notifiers list was reviewed to determine if RCRA generator facilities are located on or adjoining the subject property. No RCRA generator facilities within ¼ mile of the subject property were identified in the database.

The Hudson Ranch 1 geothermal power plant is not identified in the governmental records search as a RCRA facility, but the facility does handle hazardous material, both in oil and oily rags, and in brine filter cake. According the HR 1 personnel, the oil and oily rags are handled in an approved manner by placing used oil and used oil rags into sealed 50-gallon drums which are then taken to an approved California recycling facility. The brine filter cake is tested before it leaves the site and if found to exceed STLC and/or TTLC limits of California EPA, it goes to an approved facility that can accept this type of material. If the brine filter cake is found to be below all threshold levels, then it is taken to a California approved landfill. The waste materials are currently being taken to both types of landfills, one in California and one in Arizona. All hazardous waste is manifested and tracked according to EPA regulations.

### **Federal ERNS List**

The Federal Emergency Response Notification System (ERNS) List was reviewed to determine if reported release of oil and/or hazardous substances occurred on the subject property.

The ERNS database searches did not identify any reported releases for the subject property.

### **State and Tribal NPL List**

The Environmental Protection Agency's (EPA) National Priorities List (NPL) of uncontrolled or abandoned hazardous waste sites was reviewed for risk sites within a 1 mile radius of the subject property. The NPL identifies sites for priority cleanup and long-term care of properties under the Superfund Program that are contaminated with hazardous substances.

The database search did not identify any NPL sites within 1 mile of the subject property.

### **State and Tribal Leaking Underground Storage Tank Sites**

The California State Water Resources Control Board (SWRCB) maintains a list of information concerning reported leaking underground storage tanks (LUST). The LUST inventory list was reviewed to determine if any LUSTs are located within ½ mile the subject property.

The SWRCB LUST database did not identify any risk sites within ½ mile of the subject property.

### **State and Tribal Underground Storage Tank Sites**

The California State Water Resource Control Board (SWRCB) underground storage tank (UST) inventory list was reviewed to determine if any UST's are located on or adjacent to the subject property.

The SWRCB UST database did not identify any risk sites within ¼ mile of the subject property.

### **Solid Waste Disposal/Landfill Facilities**

The Solid Waste Disposal/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data comes from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list database did not identify any risk sites within ½ mile of the subject property.

### **Unmapped (Orphan) Sites**

Not all sites or facilities identified in the database records can be accurately located in relation to the Subject Property due to incomplete information being supplied to the regulatory agencies and are referred to as "orphan sites" by EDR.

The “Orphan Summary” section of the EDR Radius Map Report identified several orphan sites. Based on a drive-by reconnaissance of the Subject Property vicinity and review of location and status information provided in the database report, none of the identified orphan sites are located within the search radii for databases specified by the Standard.

One (1) orphan listing was reported. The orphan site listed is for well drilling operations conducted in 2007 for geothermal wells north of the subject site. No violations were noted in the records.

#### **4.1.2 Vapor Screening**

GS Lyon Consultants contracted Environmental Data Resources, Inc. (EDR) to conduct a Vapor Encroachment Screening (ASTM E2600) for the subject property. The purpose of a Vapor Encroachment Screen is to evaluate the potential for the migration of vapors from *chemicals of concern (COC)* onto a property as a result of contaminated soil and groundwater on or near the property.

The subject site is predominantly agricultural land and duck hunting ponds. The only site development, other than early exploratory geothermal test wells (Plate 2d, Appendix B) is the Hudson Ranch geothermal power plant and injection/production wells. Due to the lack of historical development on the subject site, the potential for vapor encroachment from the site itself is considered nil. Vapor Encroachment Screening reviewed is included in Appendix G.

No Recognized Environmental Concern (REC) risk sites were identified in the EDR report within the specified minimum search distances. Due to the lack of reported risk sites proximal to the subject site, the potential for vapor encroachment from the adjacent properties is considered nil.

#### **4.1.3 Additional Environmental Record Sources**

California Department of Toxic Substances Control (DTSC) Records – Envirostor Database: EnviroStor is an online search and Geographic Information System tool for identifying sites that have known contamination or sites for which there may be reasons to investigate further. Public Access to EnviroStor is accessible via the DTSC Web Page located at: <http://www.envirostor.dtsc.ca.gov/public/>. The EnviroStor database includes the following site types: Federal Superfund sites (National Priority List); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites.

The information includes site name, site type, status, address, any restricted use (recorded deed restrictions), past use(s) that caused contamination, potential contaminants of concern, potential environmental media affected, site history, planned and completed activities. The EnviroStor database also contains current and historical information relating to Permitted and Corrective Action facilities. The EnviroStor database includes current and historical information on the following permit-related documents: facility permits; permit renewal applications; permit modifications to an existing permit; closure of hazardous waste management units (HWMUs) or entire facilities; facility corrective action (investigation and/or cleanup); and/or post-closure permits or other required post-closure activities.

The EnviroStor database was queried on September 5, 2019. A map showing the results of the query is provided in Appendix G. No reported cases were found on the subject property. No risk sites were located within 1 mile of the subject property.

California State Water Resources Control Board Records – GeoTracker Database: GeoTracker is a geographic information system (GIS) maintained by the California State Water Resources Control Board (SWRCB) that provides online access to environmental data at <http://www.geotracker.swrcb.ca.gov>. GeoTracker tracks regulatory data about underground fuel tanks, fuel pipelines, and public drinking water supplies. Site information from the Spills, Leaks, Investigations, and Cleanups (SLIC) Program is also included in GeoTracker.

The GeoTracker database was queried for environmental data pertaining to the Subject property on September 5, 2019. A map showing the results of the query is provided in Appendix G. No reported cases were found on the subject property. No risk sites were located within 1 mile of the subject property.

CUPA Records Search: The Unified Program consolidates, coordinates, and makes consistent the administrative requirements, permits, inspections, and enforcement activities of six environmental and emergency response programs. Cal/EPA and other state agencies set the standards for their programs while local governments implement the standards—these local implementing agencies are called Certified Unified Program Agencies (CUPA).

The DTSC Imperial CUPA office was contacted (Veronica Lopez) by email on September 5, 2019. CUPA records were searched for environmental issues related to the subject property by GS Lyon personnel on September 10, 2019.

The CUPA records indicate that the facility stores chemicals for laboratory analysis, produces filter cake material from the withdrawal of the brine fluids, and has small fuel tanks on site. No environmental issues were noted in the CUPA records reviewed.

## **4.2 Historical Use Records**

ASTM E1527-13 requires the environmental professional to identify all obvious uses of the property from the present back to the property's first developed use or 1940, whichever is earliest. This information is collected to identify the likelihood that past uses have led to RECs in connection with the property. This task is accomplished by reviewing standard historical sources to the extent that they are necessary, reasonably ascertainable, and likely to be useful.

These standard records include aerial photographs, fire insurance maps, property tax files, land title records, topographic maps, city directories, telephone directories, building department records, and zoning/land use records.

The general type of historical use (i.e., commercial, retail, residential, industrial, undeveloped, office) should be identified at 5-year intervals, unless the specific use of the property appears to be unchanged over a period longer than 5 years. The historical research is complete when the use is defined or when data failure occurs. Data failure occurs when all of the standard historical sources have been reviewed, yet the property use cannot be identified back to its first developed use or to 1940. Data failure is not uncommon in trying to identify the use of the property at 5-year intervals back to first use or 1940, whichever is earlier.

GS Lyon reviewed the following historical records to identify obvious uses of the subject property from the present back to the property's first developed use, or to 1940, whichever is earlier. The results of this research and data failure, if encountered, are presented in the following sections.

### **4.2.1 Title Records**

GS Lyon was not provided with title records for review as part of this assessment.

### **4.2.2 Sanborn Fire Insurance Maps**

Sanborn Fire Insurance Maps are large scale maps depicting the commercial, industrial, and residential sections of various cities across the United States. Since the primary use of the fire insurance maps was to assess the buildings that were being insured, the existence and location of fuel storage tanks, flammable or other potentially toxic substances, and the nature of businesses are often shown on these maps.

Due to the rural historical undeveloped nature of the subject property and vicinity for the years the Sanborn Fire Insurance Maps were available for this subject property, no maps are available for the subject property. An “Unmapped Property” letter for the Sanborn Fire Insurance Maps is included in Appendix E.

#### **4.2.3 Aerial Photographs**

Aerial photographs obtained from Environmental Data Resources (EDR) dating back to 1937 were reviewed for historical development of the subject property. Reproductions of the historical aerial photographs reviewed are included in Appendix C.

The 1937 aerial photograph shows the subject site as being agricultural fields with field roads crossing the site. There is an approximately 9 acre abandoned warm water “spa” and dry ice plant located adjacent to the northwest corner of the site.

The 1949, 1953, 1976, 1984, and 1992 aerial photographs are similar to the 1937 aerial photograph. Some of the fields were fallowed during this time period. Adjacent properties were also agricultural fields. Old carbon dioxide wells are visible in these photographs. The wells have been abandoned and are visible currently as mud pots, pools, and dried “craters”.

The 2006 and 2009 aerial photographs show that some of the fields have been converted from agricultural use to duck ponds, shallow water filled ponds for duck hunting. A geothermal well has been drilled north of the HR1 Plant.

The 2012 and 2016 aerial photographs show the site as being similar to the 2009 aerial photograph except that the Hudson Ranch geothermal power plant has been constructed in the southern portion of the subject site. Additional geothermal wells have been constructed northeast of the geothermal power plant site (north of McDonald Road) and along the east-central portion of the site.

#### **4.2.4 Street Directories**

GS Lyon Consultants contracted Environmental Data Resources, Inc. (EDR) of Shelton, Connecticut to conduct a search of historic city directories for the subject property (Appendix H). City directories are used for locating individuals and businesses in a particular urban or suburban area.

City directories are generally divided into three sections: a business index, a list of resident names and addresses, the name and type of businesses (if unclear from the name). While city directory coverage is comprehensive for major cities, it may be spotty for rural and small towns.

City Directories: The Haines Criss-Cross Directories for the years 1990, 1995, 2000, 2005, 2010 and 2014 were reviewed. No listings were found for the subject property until 2014 which lists Hudson Ranch Power 1, LLC at 409 W. McDonald Road.

#### **4.2.5 Historic Topographic Maps**

Historic topographic maps (1945) USGS 15 Min. Calipatria, CA Quadrangle and the 1956, 1976, 1995, and 2012 USGS 7.5 Min. Niland, CA Quadrangle, showed the subject property being vacant and undeveloped (Appendix D). The 1956, 1976, and 1995 topographic maps show carbon dioxide wells located at the northwestern portion of the subject site.

#### **4.2.6 Historical Telephone Directories**

Telephone Directories: Telephone directories for the Imperial County, which included the County of Imperial businesses published in 1941, 1955, 1965, 1974, 1994, and 2004 were reviewed. No service stations, chemical manufacturers, petroleum manufacturers, distributors, or automotive repair facilities were noted at or in the immediate vicinity of the subject property.

### **4.3 Historical Use Summary**

#### **4.3.1 Summary of the Historical Use of Property**

Based on a review of the historical information, the southern portion of the subject property was first developed in 2011 for industrial use as a geothermal power plant. Prior to development of the power plant, the subject property was used as duck hunting ponds and prior to that as agricultural fields. Carbon dioxide wells have been drilled in the northwest portion of the subject property (adjacent to the 10 acre abandoned dry ice plant at the southeast corner of Davis Road and Pound Road) in the 1930's and 1940's. The wells have been abandoned and are currently present as mud pots, pools, and dried "craters".

#### **4.3.2 Summary of the Historical Use of Adjacent Properties**

Historically, the properties located immediately adjacent to the subject property have been comprised of agricultural fields and duck hunting ponds. A 10 acre abandoned warm water "spa" and dry ice plant is located adjacent to the northwest corner of the subject property.

## **5.0 SITE RECONNAISSANCE**

### **5.1 Methodology and Limiting Conditions**

A site reconnaissance was performed by Mr. Pete LaBrucherie, a professional engineer, on September 19, 2019. The site visit consisted of a walking the perimeter of the subject property and randomly crossing the subject property. The reconnaissance included visual observations of surficial conditions at the subject property and observation of adjoining properties to the extent that they were visible from public areas. Mr. LaBrucherie was unaccompanied during the site reconnaissance.

The site reconnaissance was limited to visual and/or physical observation of the exterior and interior of the subject property and its improvements, the current uses of the property and adjoining properties, and the current condition of the property. The site visit evaluated the subject property and adjoining properties for potential hazardous materials/waste and petroleum product use, storage, disposal, or accidental release, including the following: presence of tank and drum storage; mechanical or electrical equipment likely to contain liquids; evidence of soil or pavement staining or stressed vegetation; ponds, pits, lagoons, or sumps; suspicious odors; fill and depressions; or any other condition indicative of potential contamination. The site visit did not evaluate the presence of asbestos-containing materials, radon, lead-based paint, mold, indoor air quality, or structural defects, or other non-scope items.

A site reconnaissance can be limited by weather conditions, bodies of water, adjacent buildings, or other obstacles. The weather was warm and sunny and no access limitations were placed on the site visit.

### **5.2 General Site Setting**

The subject property, approximately 684 acres total, currently consists of the approximately 65 acre Hudson Ranch geothermal power plant facility (plant site) APN 020-100-044 located on the southern portion of the subject property on the south side of McDonald Road and the mineral leased area of approximately 619 acre Hudson Ranch geothermal resource area (HRGRA) to the north of the power plant facility. See Site Map of Subject Property Appendix B – Plate 2a.

Plant Site: The approximately 65 acre Hudson Ranch geothermal power plant facility (Appendix A, Photos 1-68) includes: fresh water pond, fresh water treatment, electrical switchyard, warehouse building, control building, wastewater treatment, storm water basin, concrete lined brine pond, hydro-blast pad, ES Mineral testing area (pilot plant), storage area, primary and secondary clarifier tanks, thickener tank, high pressure separator and turbine/generator. See Site Map of Plant Site Appendix B – Plate 2b.

HRGRA: The approximately 619 acre Hudson Ranch geothermal resource area (Appendix A, Photos 69-108) to the north of the power plant facility is bounded by McDonald Road on the south, Davis Road on the west, Pound Road on the north and an agricultural field road to the east. The 619 acres is composed of fallow agricultural land and duck ponds (for duck hunting clubs). Geothermal injection and production wells are located north of McDonald Road to the northwest and northeast of the geothermal plant site. Another geothermal well pad is located near the east-central margin of the subject site. Geothermal transport piping traverse across the resource area from the well pads to the geothermal plant facility. Several abandoned carbon dioxide wells (CO<sub>2</sub>) that are currently craters, varying in size, are located at the northwest corner of the resource area, adjacent to the 10 acre abandoned dry ice plant site). Carbon dioxide wells can be seen on Site Map - Plate 2c and Topo Map - Plate 4 of Appendix B.

Photographs of the subject property taken on September 19, 2019 during our site reconnaissance are included in Appendix A.

### **5.3 Adjacent Properties**

The subject property is located within an agricultural area with a geothermal development overlay northwest of Calipatria, California. Adjacent properties consist of vacant land to the east, abandoned dry duck hunting ponds to the south, active water filled duck hunting ponds and geothermal wells to the north, and vacant land to the west. An algae farm (shallow circulating ponds) is located southeast of the subject site. Several carbon dioxide (CO<sub>2</sub>) gas driven mud volcanoes, active for over 100 years, are located on the vacant parcel southwest of the site and within the 10 acre abandoned dry ice plant site adjacent to the northwest corner of the subject site.

The subject area is located adjacent to the Salton Sea (approximately ½-mile west), an inland saltwater lake with no outlet. Agricultural tailwater runoff and periodic storm water runoff supply the majority of the water in the lake. Industrial and wastewater plant outfalls from Mexicali, Baja California also flow to the Salton Sea via the New River.

## 5.4 Exterior and Interior Observations

The following conditions were specifically assessed for their potential to indicate RECs and may include conditions inside or outside structures on the subject property.

### 5.4.1 Hazardous Substances and Petroleum Products

The facility uses and generate hazardous materials as part of the geothermal operation. Chemicals are stored on site for laboratory analysis. The extraction of the brine fluid produces filter cake (solids extracted from the brine fluid) which may contain potentially hazardous materials. Petroleum products are stored on the subject property.

### 5.4.2 Storage Tanks

Underground Storage Tanks (USTs) – No obvious visual evidence indicating the current presence of USTs (i.e. vent pipes, fill ports, etc.) was noted.

Aboveground Storage Tanks (ASTs) – No obvious visual evidence indicating the historical presence of ASTs (i.e. secondary containments, concrete saddles, etc.) was observed. Two fuel tanks, one diesel and one gasoline, are located within a secondary containment area and are used for fueling vehicles and equipment.

### 5.4.3 Odors

No obvious strong, pungent, or noxious odors were noted during the site reconnaissance. Odors from the brine pond and brine material from the belt filter area were noted.

### 5.4.4 Pools of Liquid

The only pool of liquid observed during the site reconnaissance was at the concrete lined brine pond.

### 5.4.5 Drums and Containers

GS Lyon observed multiple drums and storage containers on the subject property. These drums and containers stored petroleum-based products, chemicals, metals, acids, brine products and process water.

### 5.4.6 Unidentified Substance Containers

GS Lyon did not observe open or damaged containers containing unidentified substances at the subject property.

#### **5.4.7 Suspect Polychlorinated Biphenyl (PCB) Containing Equipment**

Slab mounted sealed electrical transformers owned and maintained by the Imperial Irrigation District (IID) are located within the subject property. The IID has documented that all transformers do not contain PCB's. No leaks were noted during our site visit. Potential PCB equipment such as hydraulic equipment and motor oils were observed during the site reconnaissance on the subject property.

### **5.5 Interior Observations**

Interior observations were made at the Hudson Ranch Power 1 geothermal power plant site. The subject property has two building structures, a warehouse and control building, all constructed in 2011.

#### **5.5.1 Heating/Cooling**

Heating and cooling to the subject property structures are provided by ground-mounted HVAC systems.

#### **5.4.2 Stains or Corrosion**

Stains and/or corrosion were not observed on floors, walls, or ceiling of the subject property structures.

#### **5.4.3 Drains and Sumps**

All plant sumps drain into or are pumped and hauled to the brine pond (no offsite runoff).

### **5.6 Exterior Observations**

#### **5.6.1 Pits, Ponds, and Lagoons**

A fresh make-up water pond is located at the northeast corner of the subject property. A concrete lined brine pond with secondary containment liner and groundwater monitoring wells is located in the south-center of the property. Numerous shallow, water filled and dry duck hunting ponds are located on the subject site.

#### **5.6.2 Stained Soils or Pavement**

No evidence of significantly stained soil or pavement was noted on the subject property. Small oil stains were observed on the asphalt near the warehouse building. There is an area on the north side of the brine pond where some brine material had spilled during transfer from the brine pond into bins for transport to an approved landfill. The spill occurred on an asphaltic concrete paved area with a sump that drains back into the brine pond.

### **5.6.3 Stressed Vegetation**

No evidence of stressed vegetation attributed to potential contamination was noted on the subject property.

### **5.6.4 Solid Waste**

Dumpsters and solid waste containers exist at the geothermal power plant property. Non-hazardous trash is collected by Republic Services of Imperial, California.

There were concrete and asphalt debris piles at the south end of the power plant site west of the stormwater basin. Multiple metal hazardous waste containers filled with drilling mud and metal shavings were being stored onsite. Geothermal brine is being stored within the brine pond, a temporary containment area and within hazardous waste containers. The brine fluid is re-injected into wells to maintain the operation of the closed-circuit geothermal fluids process.

Hazardous material separated from the brine at the belt filter area is transferred to hazardous waste trailers that haul the solid filter cake material offsite to a hazardous waste landfill.

### **5.6.5 Wastewater**

Wastewater generated at the subject property is limited to sinks, toilets, etc. is processed with tertiary treatment with a small onsite wastewater treatment plant and the processed water is injected deep underground through a brine fluid injection well.

### **5.6.6 Wells**

Groundwater monitoring wells are located around the concrete lined brine pond at the geothermal power plant site for semi-annual monitoring of groundwater by Landmark Consultants, Inc. of El Centro, California at the brine pond. A background groundwater monitoring well is located at the southwest corner of the storm water retention basin on the south margin of the subject site. Results of the semi-annual groundwater monitoring have not shown elevated levels of the constituents evaluated. The semi-annual reports are filed with the Regional Water Quality Control Board as required under the Hudson Ranch 1 Waste Discharge Requirements. A copy of the latest monitoring report (May 2019) is provided in Appendix J.

### **5.6.7 Septic Systems**

An onsite wastewater treatment system, consisting of septic tanks, above-ground aerobic treatment pods, filtration and UV light disinfection, is present on the subject property.

The effluent from the system is discharged into the brine pond and then re-injected into the geothermal brine fluid injection wells.

## **5.7 Non-Scope Issues**

ASTM guidelines identify non-scope issues, which are beyond the scope of a Phase I ESA as defined by ASTM. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment. Some of these non-scope issues include; asbestos-containing building materials, radon, lead-based paint, and wetlands which are discussed below.

### **5.7.1 Asbestos-Containing Building Materials**

The potential for asbestos containing materials (ACM) existing at the subject property is very low due to the recent age (constructed in 2011) of the subject property structures.

### **5.7.2 Lead-Based Paint**

The potential or lead based paint residues existing at the subject property is very low due recent age (constructed in 2011) of the subject property structures.

### **5.7.3 Radon**

The subject property is located in Zone 3 as shown on the EPA Map of Radon Zones indicating a predicted average indoor radon screening level of less than 2 pCi/L; therefore, no further action is required. Radon gas is not believed to be a potential hazard at the subject property.

### **5.7.4 Wetlands**

Wetlands are located within one (1) mile of the subject property and consist of duck habitat ponds (for recreational hunting) and the Salton Sea, a migratory birds flyway.

### **5.7.5 Agricultural Use**

Based on our review of environmental records, historical documents, and subject property conditions, the property was in agricultural use prior to the mid 1970's. Residues of currently available pesticides and currently banned pesticides such as DDT/DDE may be present in near surface soils in limited concentrations. The concentrations of these pesticides found on other Imperial Valley agricultural sites are typically less than 25% of the current regulatory threshold limits and, at those levels, are not considered a significant environmental hazard. The presence and concentration of near surface pesticides at this subject property can be accurately characterized only by site-specific sampling and testing.

## **6.0 INTERVIEWS**

GS Lyon interviewed various individuals familiar with the subject property, as identified to us, and/or government officials in order to evaluate historical uses and identify potential RECs existing on the subject property. The individuals interviewed were asked to provide responses in good faith and to the best of their knowledge. The following sections identify the individuals interviewed and summarize the information each provided; however, additional information provided by these individuals may be presented in other sections of this report.

### **6.1 Interview with Site Personnel**

Dr. Charles Marston of Marston Hydro-Met, LLC who is working for Hudson Ranch Power 1, LLC, was interviewed by GS Lyon personnel on May 29, 2019. Dr. Marston was working in the minerals extraction pilot plant area and indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

### **6.2 Interview with Local Government Officials**

The DTSC Imperial CUPA office was contacted (Veronica Lopez) by email on September 5, 2019. CUPA records were searched on September 10, 2019 for environmental issues related to the subject property. CUPA records indicate that the facility stores chemicals for laboratory analysis and had several tanks that store petroleum based fluids. Records indicated that in February 2018, CUPA personnel inspected the facility and minor violations were corrected by March 2018.

### **6.3 Interview with Senior Vice President of Hudson Ranch 1**

Mr. Jurg Heuberger, property Senior Vice President, was contacted by GS Lyon personnel on October 14, 2019. Mr. Heuberger indicated that Hudson Ranch 1 handles and generates hazardous waste and fully complies with all EPA regulations, he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

Mr. Heuberger also provided a previous Phase 1 ESA report prepared by EMA Consultants dated February 10, 2010. He indicated that to date none of the HR1 Plant internal lab testing of the groundwater monitoring wells has indicated any release of material.

## 7.0 EVALUATION

### 7.1 Summary of Findings

The subject property is located in an area generally developed for agricultural and industrial use approximately 6 miles northwest of Calipatria, California. A portion subject property has been developed as a geothermal power plant since 2011. Prior to development of the power plant, the subject property was used as duck hunting ponds and prior to that as agricultural fields. Carbon dioxide wells have been drilled in the northwest portion of the subject property (adjacent to the 10 acre abandoned dry ice plant at southeast corner of Davis Road and Pound Road) in the 1930's and 1940's. The wells have been abandoned and are currently present as mud pots, pools, and dried "craters". Multiple former geothermal exploratory wells have been drilled within the subject property since the early 1960's. The former exploratory wells have been plugged and abandoned but there are incomplete records describing cleanup of these former wells and their respective geothermal drilling fluid containment basins.

### 7.2 Conclusions

GS Lyon has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM E1527-13 of the property located 409 W. McDonald Road approximately 6 miles northwest of Calipatria, California. Any exceptions to, or deviations from, this practice are described in Section 1.4 of this Phase I ESA report. This assessment has revealed the following recognized environmental conditions (RECs) in connection with the subject property:

#### 7.2.1 Recognized Environmental Conditions

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions as defined in Section 7.2.3 of this report.

**This Phase I ESA has revealed evidence of *recognized environmental conditions* in connection with the subject property.**

- **There is potential for evaporite deposits located around the abandoned carbon dioxide wells containing potential hazardous substances. The chemical characteristics of the deposits is unknown.**

### **7.2.2 Historical Recognized Environmental Conditions**

*A historical recognized environmental condition (HREC) refers to a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).*

**This Phase I ESA has revealed no evidence of *historical recognized environmental conditions* in connection with the subject property.**

### **7.2.3 Environmental Concerns and De Minimis Conditions**

*A de minimis condition is a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.*

**This Phase I ESA has revealed *de minimis* conditions or environmental concerns in connection with the subject property.**

- **Small hydrocarbon and geothermal brine spills are apparent within the Plant Site of the Subject Property. These spills are common events for geothermal power plant facilities that Hudson Ranch 1 monitors and manages.**

## **7.3 Recommendations**

Based on the scope of work performed for this assessment, it is our professional opinion that the RECs that have been identified are within the leased properties of the subject property. No RECs have been identified in connection with the Plant Site of the subject property. The REC's found within the geothermal resource area may require further site assessment.

## **8.0 REFERENCES**

40 CFR 312, Standards and Practices for All Appropriate Inquiries; Final Rule, November 2005 (AAI Rule).

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State Water Resources Control Board. 2019. GeoTracker Database Website, <http://geotracker.swrcb.ca.gov/> .

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the Internet, September 2019

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the Internet, September 2019

United States Geological Survey Topographic Map 1997, 7.5 minute series

# APPENDIX A



**Photo 1: Looking east/northeast at the west side of the control building.**



**Photo 2: Looking along the south side of the control building at the HVAC units, and Argon gas cylinders.**



**Photo 3: Looking at waste bin on the south side of the control building that contains brine samples from the lab.**



**Photo 4: Looking at the secondary containment area at south side of the control building.**



**Photo 5: Looking at the argon gas storage area on the south side of the control building.**



**Photo 6: Looking southwest toward the belt filter area.**



**Photo 7: Looking north at the warehouse building.**



**Photo 8: Looking at the slightly oil stained pavement outside of the warehouse building.**



**Photo 9: Looking at various containers on the south side of the warehouse that contain various liquid products including those containing hydrocarbons.**



**Photo 10: Looking at the 5-gallon buckets on the south side of the warehouse building.**



**Photo 11: Looking at the secondary containment area at the southwest corner of the warehouse building.**



**Photo 12: Looking at the used oil containers within the secondary containment from Photo 11.**



**Photo 13: Looking at the sumps that are inside the secondary containment from Photo 11, these drain to the brine pond.**



**Photo 14: Looking at the oil staining within the secondary containment.**



**Photo 15: Looking at a temporary secondary containment bin along the west wall of the secondary containment area from Photo 11.**



**Photo 16: Looking south from the south side of the warehouse at the sumps within the paved area, the sumps drain to the brine pond.**



**Photo 17: Looking north into the shop (east) portion of the warehouse building.**



**Photo 18: Looking at the petroleum based products stored along the north wall of the shop in the warehouse building.**



**Photo 19: Looking at the spill cleanup buckets in the shop (east) portion of the warehouse building.**



**Photo 20: Looking northwest into the receiving (west) portion of the warehouse building.**



**Photo 21: Looking at petroleum-based products stored inside a room within the west portion of the warehouse building.**



**Photo 22: Looking east toward the warehouse building from the storage area of the Plant Site.**



**Photo 23: Looking at used empty liquid storage containers located within the storage area of the Plant Site.**



**Photo 24: Looking south from the storage area of the Plant Site.**



**Photo 25: Looking at empty unused 55-gallon drums within the storage area of the Plant Site, and a Republic trash roll off bin.**



**Photo 26: Looking at scrap metal located within the storage area of the Plant Site.**



**Photo 27: Looking at the electrical wire spools located within the storage area of the Plant Site.**



**Photo 28: Looking southwest across the storage area of the Plant Site.**



**Photo 29: Looking southeast across the Plant Site from the northwest corner.**



**Photo 30: Looking south along the west boundary of the Plant Site.**



**Photo 31: Looking at multiple used empty liquid containers located near southwest corner of the Plant Site.**



**Photo 32: Looking north from the southwest corner of the Plant Site.**



**Photo 33: Looking east from the southwest corner of the Plant Site.**



**Photo 34: Looking at container with drilling mud with metal shavings located within the storage area of the Plant Site.**



**Photo 35: Looking at multiple hazardous waste containers that contain drilling mud with metal shavings within the storage area of the Plant Site.**



**Photo 36: Looking at diesel and gasoline fuel tanks and pumps located just northeast of the ES Mineral Test area within the Plant Site.**



**Photo 37: Looking at the drain within the fuel tank secondary containment area, this sump drains to the brine pond.**



**Photo 38: Looking at the ES Mineral Test area within the Plant Site, the area is bounded by concrete containment.**



**Photo 39: Looking at the southeast corner of the ES Mineral Test area at the electrical transformer and the process water tank.**



**Photo 40: Looking within the southern portion of the ES Mineral Test area at various liquid containers/tanks. The blue tanks are all labeled empty. Containment curb around this area and floor drains that are connected to the brine pond.**



**Photo 41: Looking at multiple used empty liquid containers located along the west side of the ES Mineral Test area.**



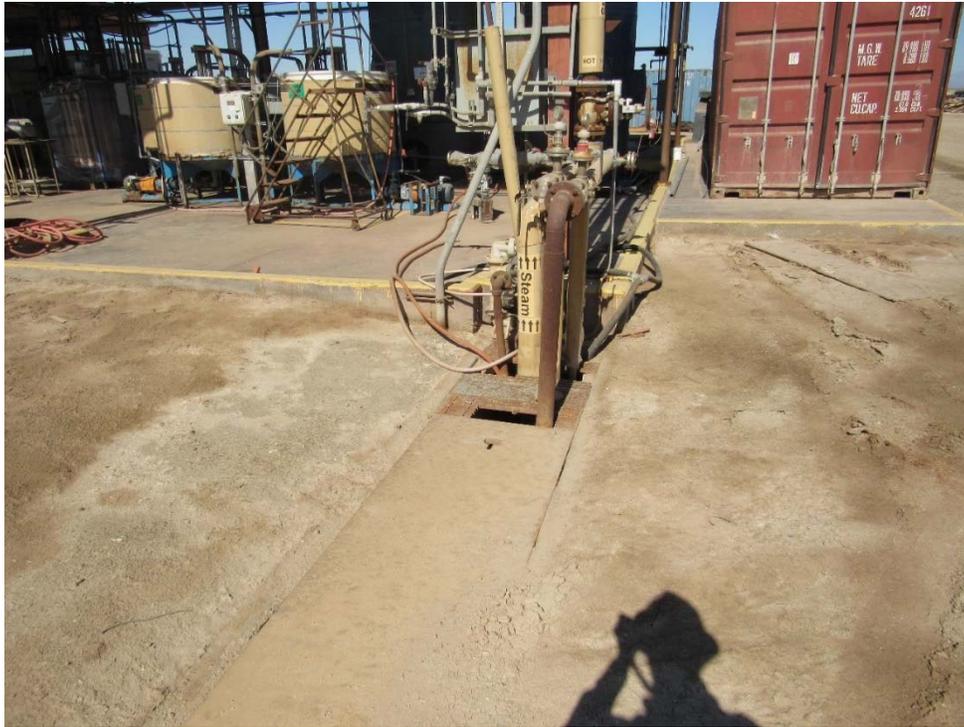
**Photo 42: Looking at small hydrocarbon spill within the secondary containment at the west portion of the ES Mineral Test area of the Plant Site.**



**Photo 43: Looking at the drain within the ES Mineral Test area that drains into the brine pond.**



**Photo 44: Looking at the north end of the ES Mineral Test area.**



**Photo 45: Looking at the northeast corner of the ES Mineral Test area with the steam and geothermal brine lines entering the area through the trench.**



**Photo 46: Looking east along the trench from the ES Mineral Test area toward the brine pond.**



**Photo 47: Looking north at the west end of the brine pond. The belt filter area and clarifiers can be seen in the distance.**



**Photo 48: Looking east/northeast at the brine pond and the cooling tower in the distance within the Plant Site.**



**Photo 49: Looking southeast toward the southern boundary of the Plant Site.**



**Photo 50: Looking at an asphalt debris pile at the southwest corner of the stormwater retention basin within the Plant Site.**



**Photo 51: Looking north along the west side of the stormwater retention basin at a concrete debris pile.**



**Photo 52: Looking north at the make-up water pond located in the northeast corner of the Plant Site.**



**Photo 53: Looking northwest from the southeast corner of the make-up water pond toward the cooling tower and geothermal power plant.**



**Photo 54: Looking west at the geothermal power plant from the west side of the make-up water pond.**



**Photo 55: Looking northwest at the electrical substation located along the northern boundary of the Plant Site**



**Photo 56: Looking at fresh water treatment system located at the west side of the make-up water pond.**



**Photo 57: Looking at multiple cooling tower chemical storage containers at the west side of the cooling tower.**



**Photo 58a: Looking at brine pond extraction spill within the asphalt containment on the north side of the brine pond near the east end.**



**Photo 58b: 10/16/19 spillage shown in photo 58a was within asphalt containment area, the liquid drained to the sump and pumped back to brine pond.**



**Photo 59: Looking at the sump on the north side of the brine pond. The area had recent leakage of brine during extraction into green bins, all contained and sump pumped back into brine pond.**



**Photo 60: Looking west at the geothermal power plant from the west side of the cooling tower.**



**Photo 61: Looking northwest at the primary clarifier from the west side of the cooling tower.**



**Photo 62: Looking at the waste treatment system are at the northwest corner of the cooling tower. The effluent from the waste treatment system gets reinjected with the brine into the reinjection wells.**



**Photo 63: Looking at multiple pumps that are typical within the geothermal power plant and within a secondary containment berm.**



**Photo 64: Looking east at the hydro blast pad, this area drains into the brine pond.**



**Photo 65: Looking at the trailers parked on the west side of the belt filter, hazardous waste from the belt filter is disposed of in these covered trailers and removed from the site to a hazardous waste facility.**



**Photo 66: Looking at the belt filter area with trailer being loaded.**



**Photo 67: Looking east from the east side of the belt filter area toward the geothermal power plant.**



**Photo 68: Looking within the belt filter area.**



**Photo 69: Looking north along the west boundary of the subject property from corner of Davis & Mc Donald Roads.**



**Photo 70: Looking east from Davis Road toward the Geothermal Well Pad on the north side of Mc Donald Road.**



**Photo 71: Looking at one of the three wells located at the southwestern well pad of the subject property, see site map (Plate 2a).**



**Photo 72: Looking east at the pipe crossing road that runs east and west along the north side of Mc Donald Road.**



**Photo 73: Looking at a secondary containment bin located under the vales at the pipe crossing road.**



**Photo 74: Looking north across the portion of the subject property north of Mc Donald Road.**



**Photo 75: Looking northeast across the portion of the subject property north of Mc Donald Road.**



**Photo 76: Looking at the southeast well pad just north of the northeast corner of the Geothermal Plant Facility.**



**Photo 77: Looking at one of the well located at the well pad from photo 76.**



**Photo 78: Looking GEO906 geothermal treatment liquid container located at the well pad.**



**Photo 79: Looking north across the portion of the subject site north of Mc Donald Road.**



**Photo 80: Looking at the geothermal pipeline that extends from the geothermal plant to the well pads.**



**Photo 81: Looking at the Imperial Irrigation Districts pole mounted electrical transformer and water pump located at the subject property north of Mc Donald southeast corner.**



**Photo 82: Looking west at the northeast well pad along the east boundary of the subject property.**



**Photo 83: Looking south from the northeast well pad.**



**Photo 84: Looking west along the south side of Hazard Road that bisects the north portion of the subject property.**



**Photo 85: Looking south at the subject property from the south side of Hazard Road.**



**Photo 86: Looking south across the subject property toward the Geothermal Plant Facility from the south side of Hazard Road.**



**Photo 87: Looking at some hay bales, wood pallets and PVC pipe stored on the subject property south side of Hazard Road.**



**Photo 88: Looking north from the corner of Hazard Road and the west boundary of the subject site.**



**Photo 89: Looking north across the subject property from the north side of Hazard Road.**



**Photo 90: Looking north across the subject property from the north side of Hazard Road.**



**Photo 91: Looking north across the subject property from the north side of Hazard Road.**



**Photo 92: Looking northeast across the subject property from the north side of Hazard Road.**



**Photo 93: Looking west from the northeast corner of the subject property.**



**Photo 94: Looking south across the subject property from the east side of the north boundary.**



**Photo 95: Looking south across the subject property from the north boundary.**



**Photo 96: Looking at a travel trailer within one of the Duck Clubs along the north boundary of the subject property.**



**Photo 97: Looking south across the subject property from the north boundary.**



**Photo 98: Looking east from the north side of the west boundary of the subject property toward the unoccupied northwest well pad.**



**Photo 99: Looking east from the north side of the west boundary of the subject property.**



**Photo 100: Looking south along the west boundary of the subject property.**



**Photo 101: Looking at an abandoned carbon dioxide well at the northwest corner of the subject property.**



**Photo 102: Looking south along the west boundary of the subject property.**



**Photo 103: Looking south along the west boundary of the subject property.**



**Photo 104: Looking south along the west boundary of the subject property.**



**Photo 105: Looking south along the west boundary of the subject property.**



**Photo 106: Looking south along the west boundary of the subject property.**

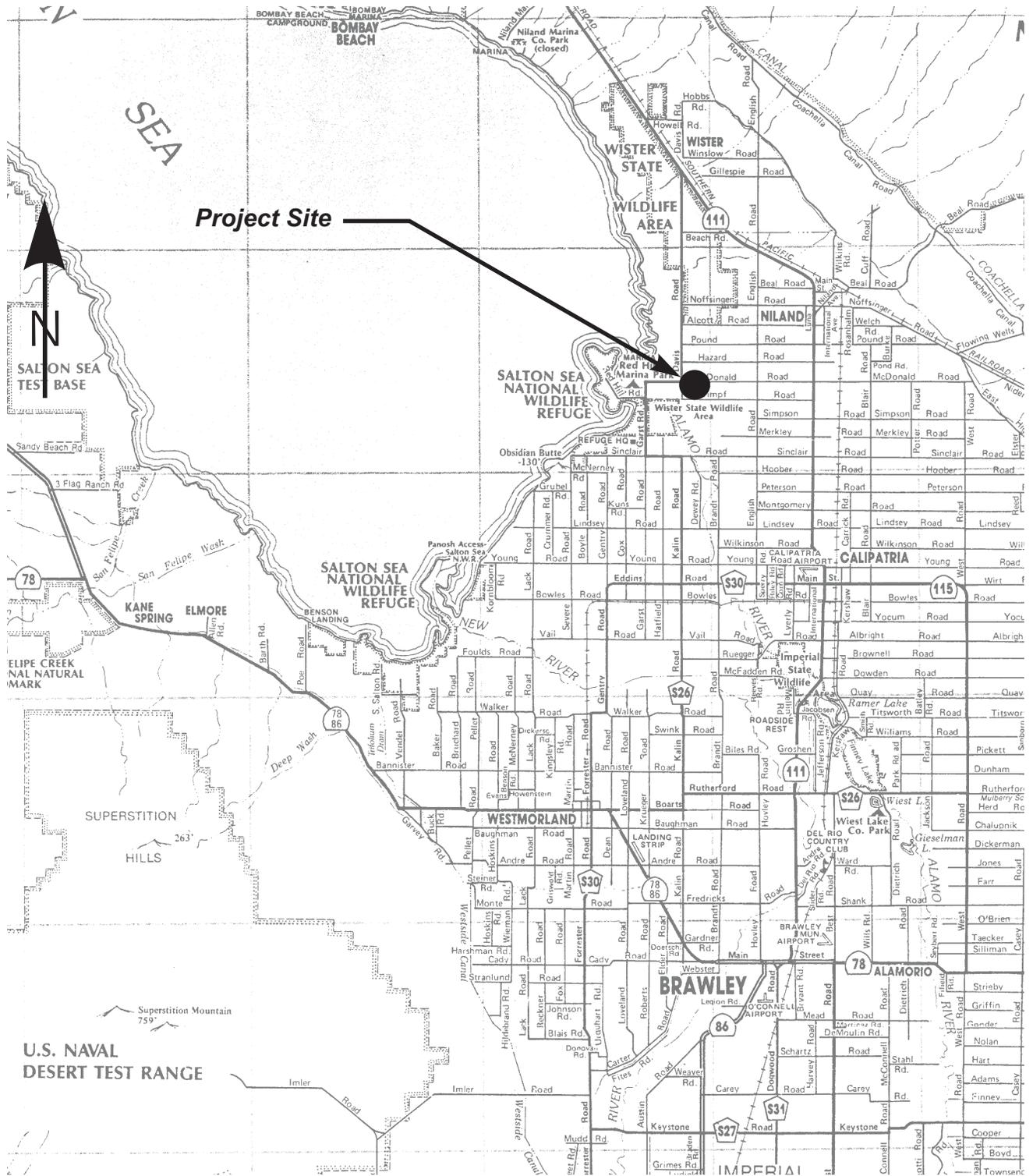


**Photo 107: Looking south along the west boundary of the subject property.**



**Photo 108: Looking south along the west boundary of the subject property.**

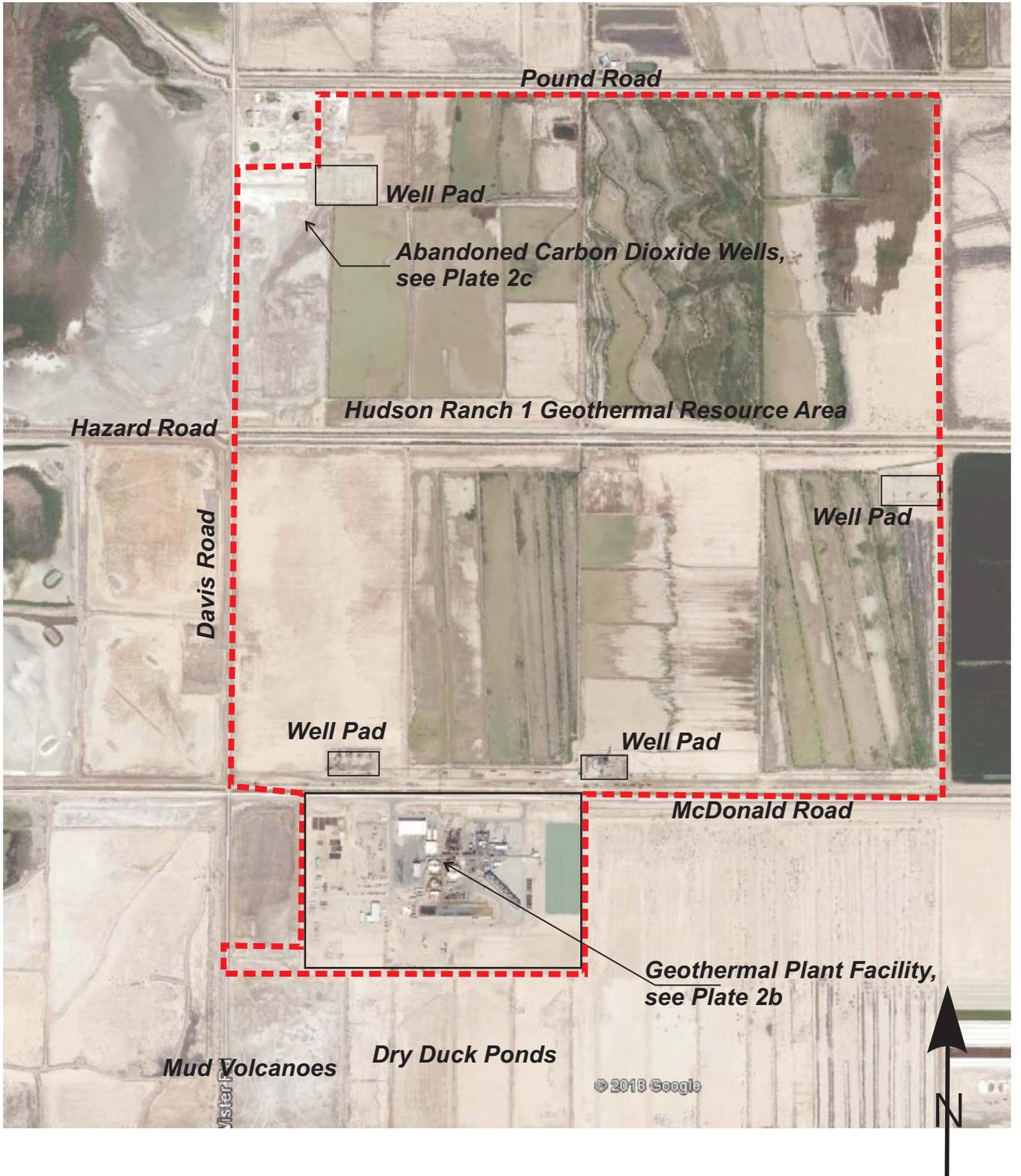
# APPENDIX B

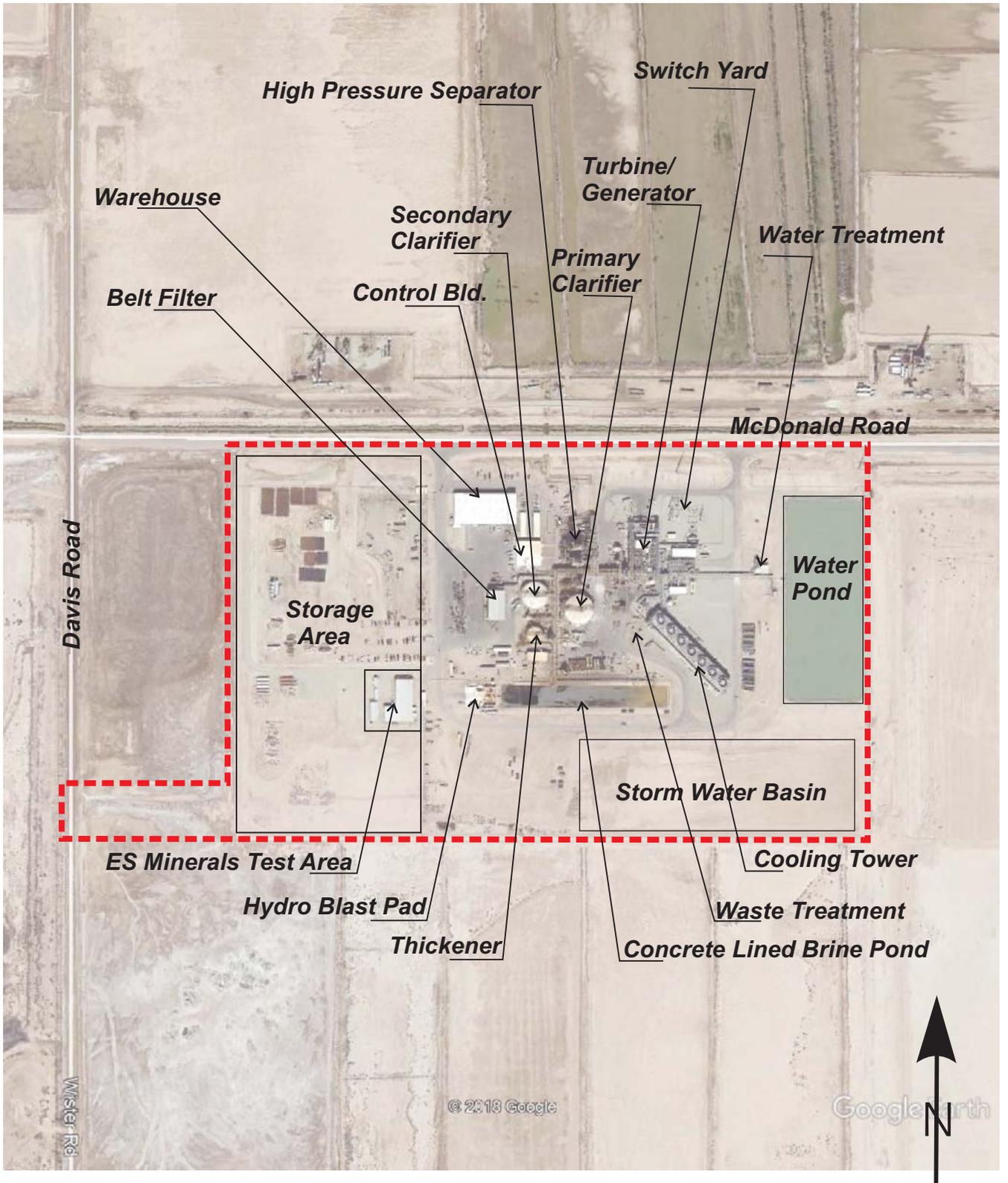


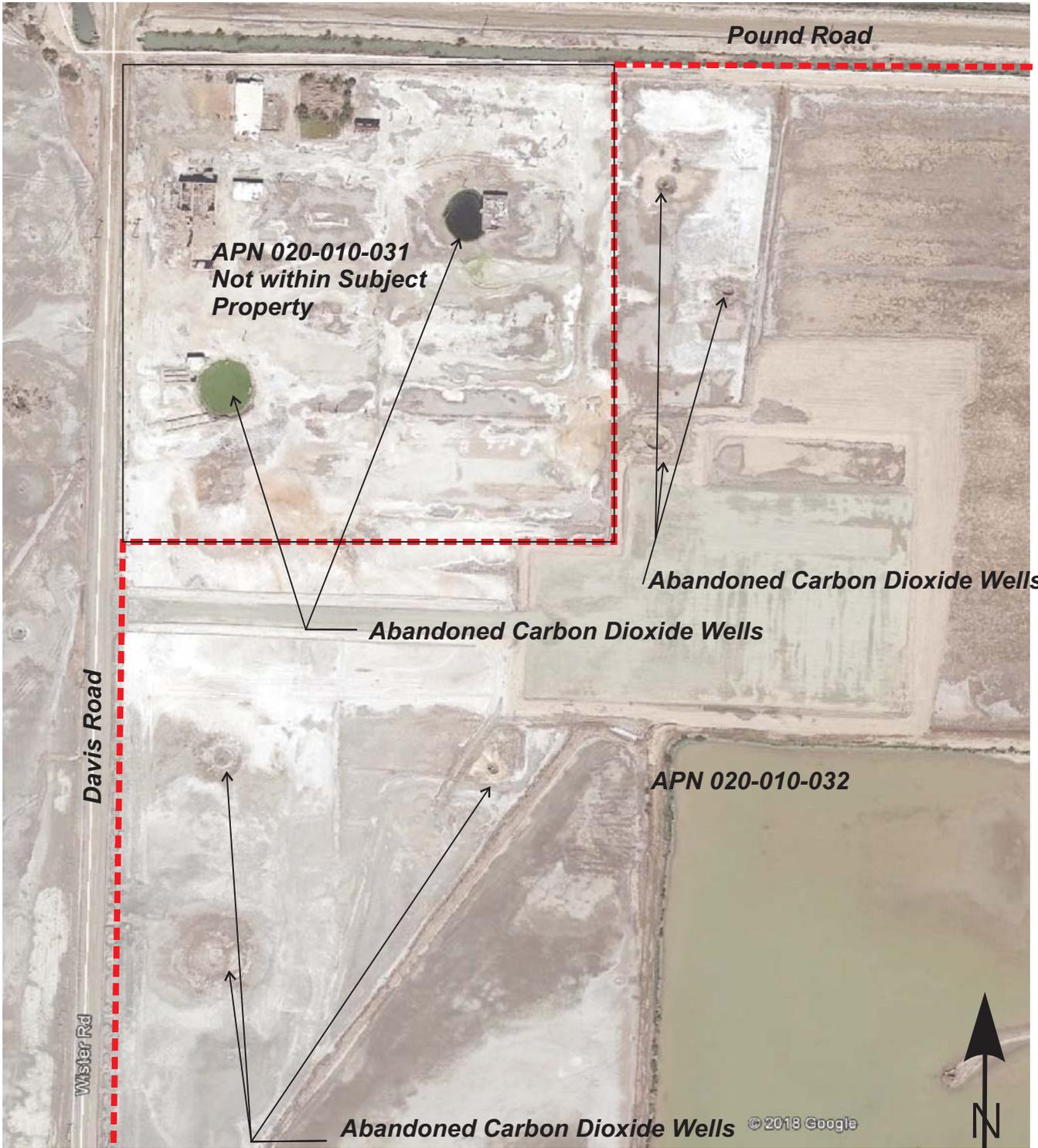
Project No.: GS1921

Vicinity Map

Plate  
1





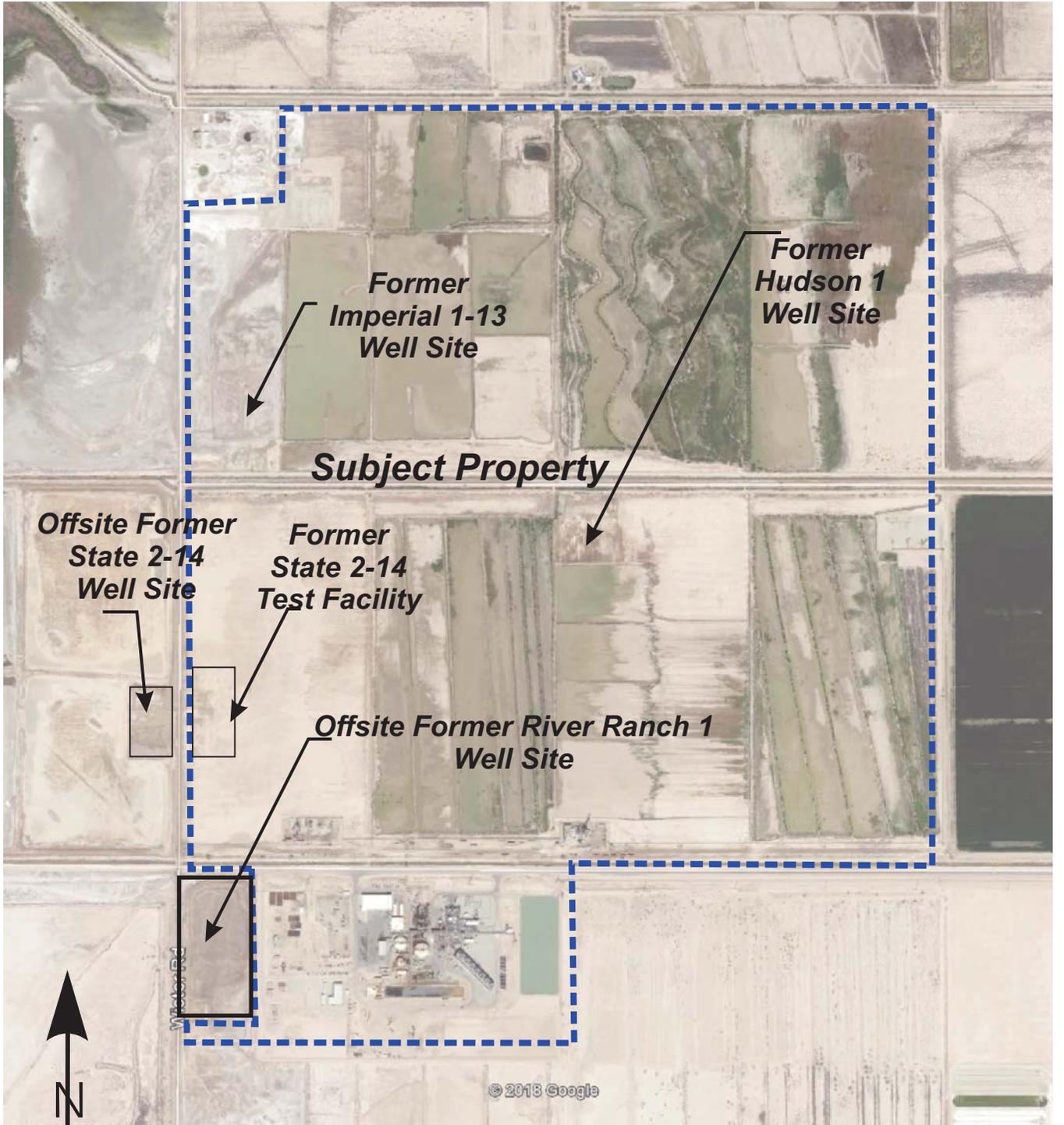


**GS Lyon**

Project No.: GS1921

Site Map - Northwest Corner of Subject Property

Plate  
2c





**GS Lyon**

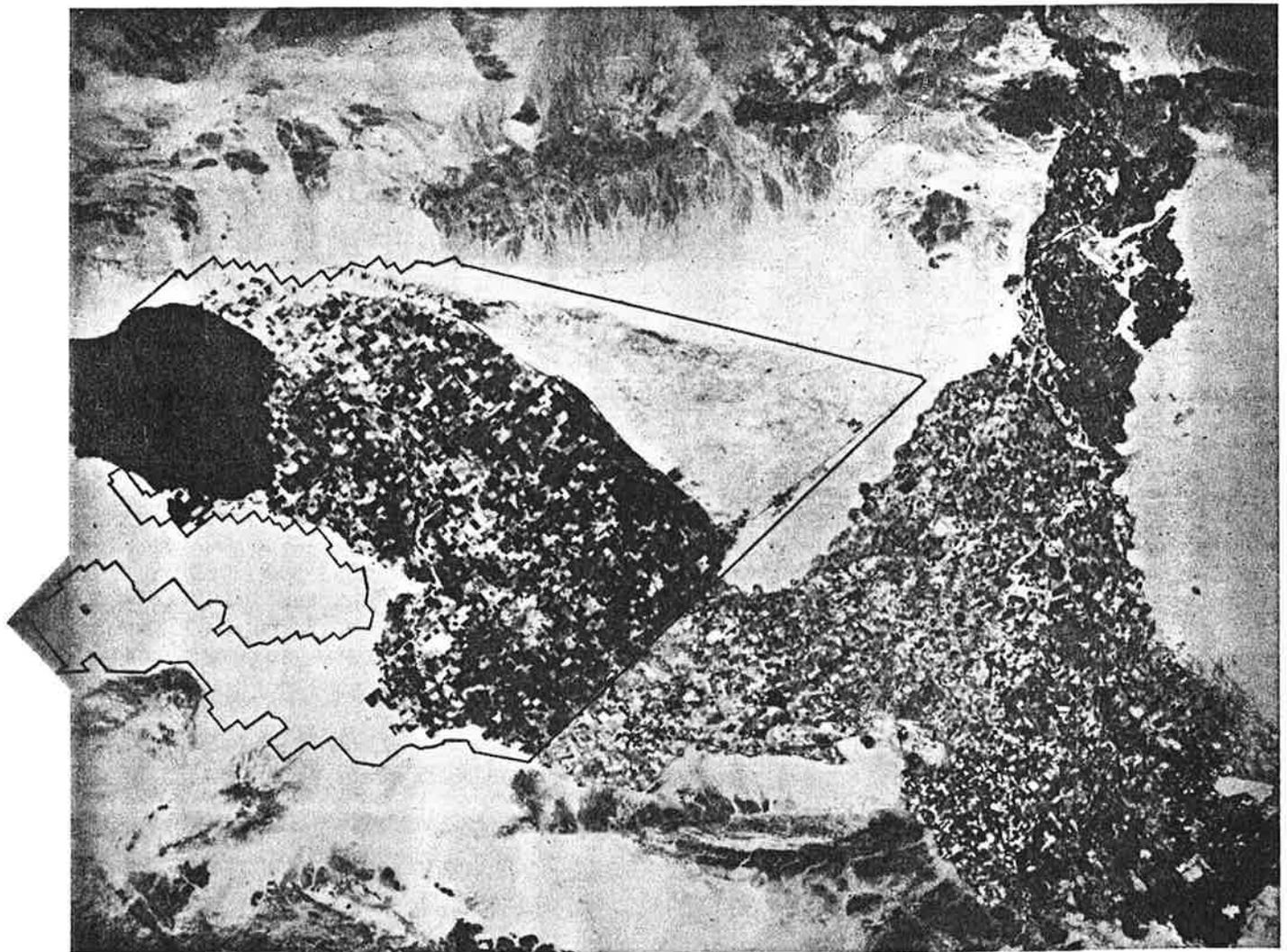
Project No.: GS1921

Soil Survey Map

Plate  
3

Soil Survey of

**IMPERIAL COUNTY  
CALIFORNIA  
IMPERIAL VALLEY AREA**



**United States Department of Agriculture Soil Conservation Service**  
in cooperation with  
**University of California Agricultural Experiment Station**  
and  
**Imperial Irrigation District**

TABLE 11.--ENGINEERING INDEX PROPERTIES

[The symbol > means more than. Absence of an entry indicates that data were not estimated]

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments > 3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
100----- Antho	0-13 13-60	Loamy fine sand Sandy loam, fine sandy loam.	SM SM	A-2 A-2, A-4	0 0	100 90-100	100 75-95	75-85 50-60	10-30 15-40	--- ---	NP NP
101*: Antho-----	0-8 8-60	Loamy fine sand Sandy loam, fine sandy loam.	SM SM	A-2 A-2, A-4	0 0	100 90-100	100 75-95	75-85 50-60	10-30 15-40	--- ---	NP NP
Superstition-----	0-6 6-60	Fine sand----- Loamy fine sand, fine sand, sand.	SM SM	A-2 A-2	0 0	100 100	95-100 95-100	70-85 70-85	15-25 15-25	--- ---	NP NP
102*. Badland											
103----- Carsitas	0-10 10-60	Gravelly sand--- Gravelly sand, gravelly coarse sand, sand.	SP, SP-SM SP, SP-SM	A-1, A-2 A-1	0-5 0-5	60-90 60-90	50-85 50-85	30-55 25-50	0-10 0-10	--- ---	NP NP
104* Fluvaquents											
105----- Glenbar	0-13 13-60	Clay loam----- Clay loam, silty clay loam.	CL CL	A-6 A-6	0 0	100 100	100 100	90-100 90-100	70-95 70-95	35-45 35-45	15-30 15-30
106----- Glenbar	0-13 13-60	Clay loam----- Clay loam, silty clay loam.	CL CL	A-6, A-7 A-6, A-7	0 0	100 100	100 100	90-100 90-100	70-95 70-95	35-45 35-45	15-25 15-25
107*----- Glenbar	0-13 13-60	Loam----- Clay loam, silty clay loam.	ML, CL-ML, CL	A-4 A-6, A-7	0 0	100 100	100 100	100 95-100	70-80 75-95	20-30 35-45	NP-10 15-30
108----- Holtville	0-14 14-22 22-60	Loam----- Clay, silty clay Silt loam, very fine sandy loam.	ML CL, CH ML	A-4 A-7 A-4	0 0 0	100 100 100	100 100 100	85-100 95-100 95-100	55-95 85-95 65-85	25-35 40-65 25-35	NP-10 20-35 NP-10
109----- Holtville	0-17 17-24 24-35 35-60	Silty clay----- Clay, silty clay Silt loam, very fine sandy loam. Loamy very fine sand, loamy fine sand.	CL, CH CL, CH ML SM, ML	A-7 A-7 A-4 A-2, A-4	0 0 0 0	100 100 100 100	100 100 100 100	95-100 95-100 95-100 75-100	85-95 85-95 65-85 20-55	40-65 40-65 25-35 ---	20-35 20-35 NP-10 NP
110----- Holtville	0-17 17-24 24-35 35-60	Silty clay----- Clay, silty clay Silt loam, very fine sandy loam. Loamy very fine sand, loamy fine sand.	CH, CL CH, CL ML SM, ML	A-7 A-7 A-4 A-2, A-4	0 0 0 0	100 100 100 100	100 100 100 100	95-100 95-100 95-100 75-100	85-95 85-95 55-85 20-55	40-65 40-65 25-35 ---	20-35 20-35 NP-10 NP

See footnote at end of table.

TABLE 11.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments > 3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
111*: Holtville-----	0-10	Silty clay loam	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35
	10-22	Clay, silty clay	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35
	22-60	Silt loam, very fine sandy loam.	ML	A-4	0	100	100	95-100	65-85	25-35	NP-10
Imperial-----	0-12	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
112-----	0-12	Silty clay-----	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
113-----	0-12	Silty clay-----	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay, clay, silty clay loam.	CH	A-7	0	100	100	100	85-95	50-70	25-45
114-----	0-12	Silty clay-----	CH	A-7	0	100	100	100	85-95	50-70	25-45
Imperial	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
115*: Imperial-----	0-12	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
Glenbar-----	0-13	Silty clay loam	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
	13-60	Clay loam, silty clay loam.	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
116*: Imperial-----	0-13	Silty clay loam	CL	A-7	0	100	100	100	85-95	40-50	10-20
	13-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
Glenbar-----	0-13	Silty clay loam	CL	A-6, A-7	0	100	100	90-100	70-95	35-45	15-25
	13-60	Clay loam, silty clay loam.	CL	A-6	0	100	100	90-100	70-95	35-45	15-30
117, 118-----	0-12	Loam-----	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
Indio	12-72	Stratified loamy very fine sand to silt loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
119*: Indio-----	0-12	Loam-----	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
	12-72	Stratified loamy very fine sand to silt loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
Vint-----	0-10	Loamy fine sand	SM	A-2	0	95-100	95-100	70-80	25-35	---	NP
	10-60	Loamy sand, loamy fine sand.	SM	A-2	0	95-100	95-100	70-80	20-30	---	NP
120*: Laveen-----	0-12	Loam-----	ML, CL-ML	A-4	0	100	95-100	75-85	55-65	20-30	NP-10
	12-60	Loam, very fine sandy loam.	ML, CL-ML	A-4	0	95-100	85-95	70-80	55-65	15-25	NP-10

See footnote at end of table.

TABLE 11.--ENGINEERING INDEX PROPERTIES--Continued

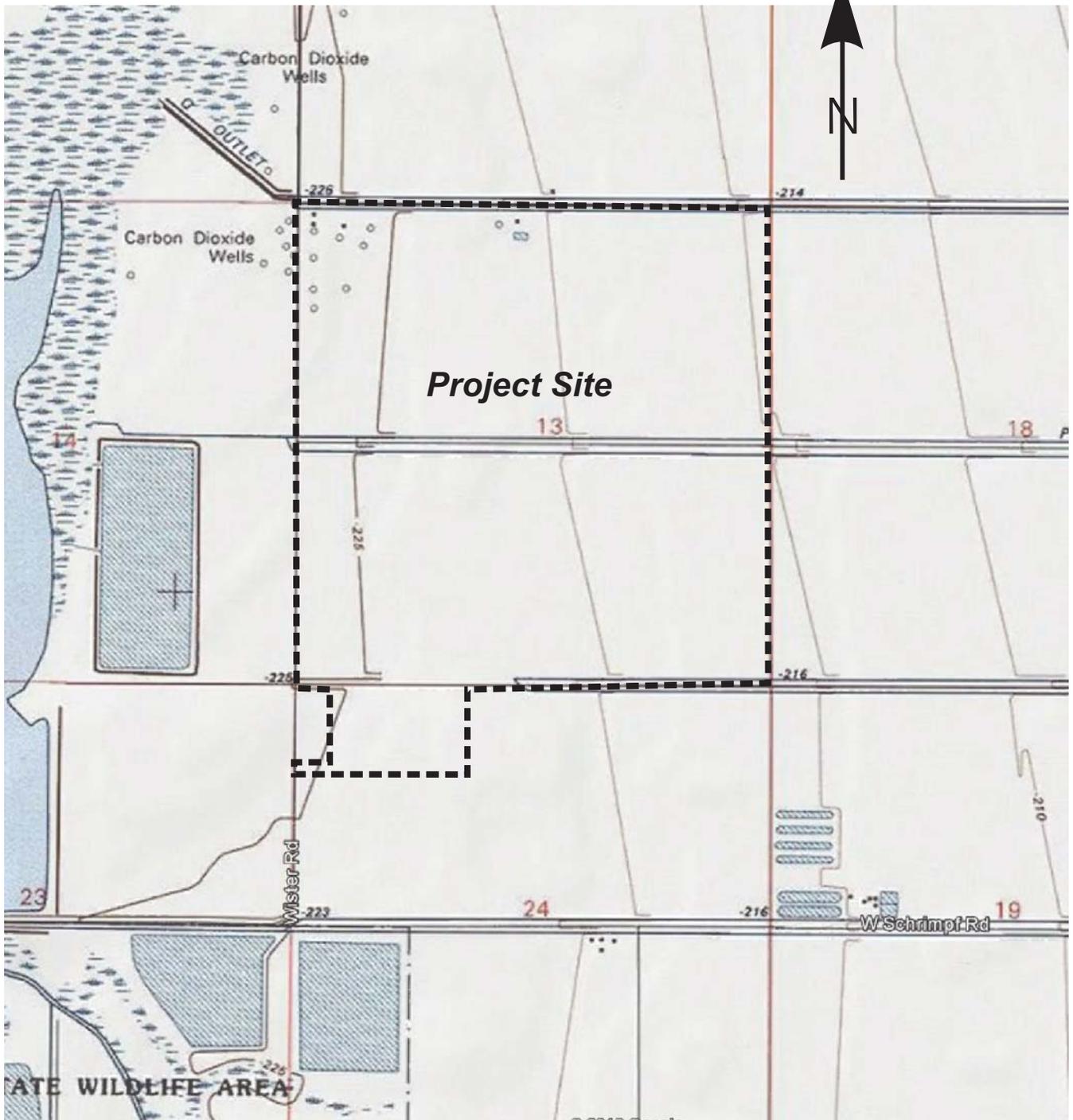
Soil name and map symbol	Depth In	USDA texture	Classification		Frag- ments > 3 inches Pct	Percentage passing sieve number--				Liquid limit Pet	Plas- ticity index
			Unified	AASHTO		4	10	40	200		
121----- Meloland	0-12	Fine sand-----	SM, SP-SM	A-2, A-3	0	95-100	90-100	75-100	5-30	---	NP
	12-26	Stratified loamy fine sand to silt loam.	ML	A-4	0	100	100	90-100	50-65	25-35	NP-10
	26-71	Clay, silty clay, silty clay loam.	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-40
122----- Meloland	0-12	Very fine sandy loam.	ML	A-4	0	95-100	95-100	95-100	55-85	25-35	NP-10
	12-26	Stratified loamy fine sand to silt loam.	ML	A-4	0	100	100	90-100	50-70	25-35	NP-10
	26-71	Clay, silty clay, silty clay loam.	CH, CL	A-7	0	100	100	95-100	85-95	40-65	20-40
123*: Meloland	0-12	Loam-----	ML	A-4	0	95-100	95-100	95-100	55-85	25-35	NP-10
	12-26	Stratified loamy fine sand to silt loam.	ML	A-4	0	100	100	90-100	50-70	25-35	NP-10
	26-38	Clay, silty clay, silty clay loam.	CH, CL	A-7	0	100	100	95-100	85-95	40-65	20-40
	38-60	Stratified silt loam to loamy fine sand.	SM, ML	A-4	0	100	100	75-100	35-55	25-35	NP-10
Holtville	0-12	Loam-----	ML	A-4	0	100	100	85-100	55-95	25-35	NP-10
	12-24	Clay, silty clay	CH, CL	A-7	0	100	100	95-100	85-95	40-65	20-35
	24-36	Silt loam, very fine sandy loam.	ML	A-4	0	100	100	95-100	55-85	25-35	NP-10
	36-60	Loamy very fine sand, loamy fine sand.	SM, ML	A-2, A-4	0	100	100	75-100	20-55	---	NP
124, 125----- Niland	0-23	Gravelly sand---	SM, SP-SM	A-2, A-3	0	90-100	70-95	50-65	5-25	---	NP
	23-60	Silty clay, clay, clay loam.	CL, CH	A-7	0	100	100	85-100	80-95	40-65	20-40
126----- Niland	0-23	Fine sand-----	SM, SP-SM	A-2, A-3	0	90-100	90-100	50-65	5-25	---	NP
	23-60	Silty clay-----	CL, CH	A-7	0	100	100	85-100	80-95	40-65	20-40
127----- Niland	0-23	Loamy fine sand	SM	A-2	0	90-100	90-100	50-65	15-30	---	NP
	23-60	Silty clay-----	CL, CH	A-7	0	100	100	85-100	80-95	40-65	20-40
128*: Niland	0-23	Gravelly sand---	SM, SP-SM	A-2, A-3	0	90-100	70-95	50-65	5-25	---	NP
	23-60	Silty clay, clay, clay loam.	CL, CH	A-7	0	100	100	85-100	80-100	40-65	20-40
Imperial	0-12	Silty clay-----	CH	A-7	0	100	100	100	85-95	50-70	25-45
	12-60	Silty clay loam, silty clay, clay.	CH	A-7	0	100	100	100	85-95	50-70	25-45
129*: Pits											
130, 131----- Rositas	0-27	Sand-----	SP-SM	A-3, A-1, A-2	0	100	80-100	40-70	5-15	---	NP
	27-60	Sand, fine sand, loamy sand.	SM, SP-SM	A-3, A-2, A-1	0	100	80-100	40-85	5-30	---	NP

See footnote at end of table.

TABLE 11.--ENGINEERING INDEX PROPERTIES--Continued

Soil name and map symbol	Depth	USDA texture	Classification		Frag-ments > 3 inches	Percentage passing sieve number--				Liquid limit	Plas-ticity index
			Unified	AASHTO		4	10	40	200		
	In				Pct					Pct	
132, 133, 134, 135-Rositas	0-9	Fine sand-----	SM	A-3, A-2	0	100	80-100	50-80	10-25	---	NP
	9-60	Sand, fine sand, loamy sand.	SM, SP-SM	A-3, A-2, A-1	0	100	80-100	40-85	5-30	---	NP
136-----Rositas	0-4	Loamy fine sand	SM	A-1, A-2	0	100	80-100	40-85	10-35	---	NP
	4-60	Sand, fine sand, loamy sand.	SM, SP-SM	A-3, A-2, A-1	0	100	80-100	40-85	5-30	---	NP
137-----Rositas	0-12	Silt loam-----	ML	A-4	0	100	100	90-100	70-90	20-30	NP-5
	12-60	Sand, fine sand, loamy sand.	SM, SP-SM	A-3, A-2, A-1	0	100	80-100	40-85	5-30	---	NP
138*: Rositas-----	0-4	Loamy fine sand	SM	A-1, A-2	0	100	80-100	40-85	10-35	---	NP
	4-60	Sand, fine sand, loamy sand.	SM, SP-SM	A-3, A-2, A-1	0	100	80-100	40-85	5-30	---	NP
Superstition-----	0-6	Loamy fine sand	SM	A-2	0	100	95-100	70-85	15-25	---	NP
	6-60	Loamy fine sand, fine sand, sand.	SM	A-2	0	100	95-100	70-85	15-25	---	NP
139-----Superstition	0-6	Loamy fine sand	SM	A-2	0	100	95-100	70-85	15-25	---	NP
	6-60	Loamy fine sand, fine sand, sand.	SM	A-2	0	100	95-100	70-85	15-25	---	NP
140*: Torriorthents											
Rock outcrop											
141*: Torriorthents											
Orthids											
142-----Vint	0-10	Loamy very fine sand.	SM, ML	A-4	0	100	100	85-95	40-65	15-25	NP-5
	10-60	Loamy fine sand	SM	A-2	0	95-100	95-100	70-80	20-30	---	NP
143-----Vint	0-12	Fine sandy loam	ML, CL-ML, SM, SM-SC	A-4	0	100	100	75-85	45-55	15-25	NP-5
	12-60	Loamy sand, loamy fine sand.	SM	A-2	0	95-100	95-100	70-80	20-30	---	NP
144*: Vint-----	0-10	Very fine sandy loam.	SM, ML	A-4	0	100	100	85-95	40-65	15-25	NP-5
	10-40	Loamy fine sand	SM	A-2	0	95-100	95-100	70-80	20-30	---	NP
	40-60	Silty clay-----	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35
Indio-----	0-12	Very fine sandy loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
	12-40	Stratified loamy very fine sand to silt loam.	ML	A-4	0	95-100	95-100	85-100	75-90	20-30	NP-5
	40-72	Silty clay-----	CL, CH	A-7	0	100	100	95-100	85-95	40-65	20-35

\* See description of the map unit for composition and behavior characteristics of the map unit.



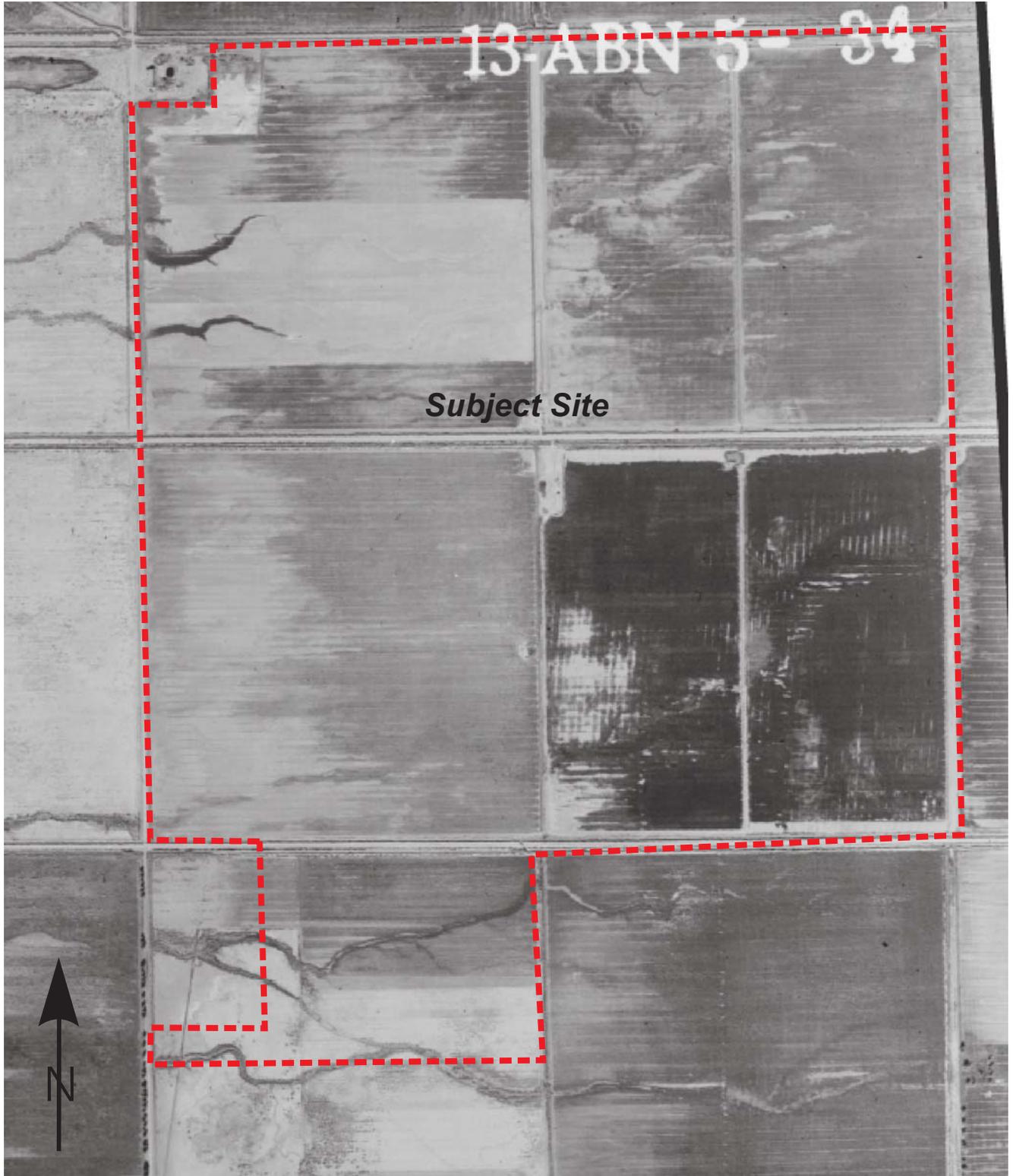
**GS Lyon**

Project No.: GS1921

Topographic Map

Plate  
4

# APPENDIX C



13-ABN 5-34

*Subject Site*



**GS** Lyon

Project No.: GS1921

1937 Aerial Photograph

Plate  
5

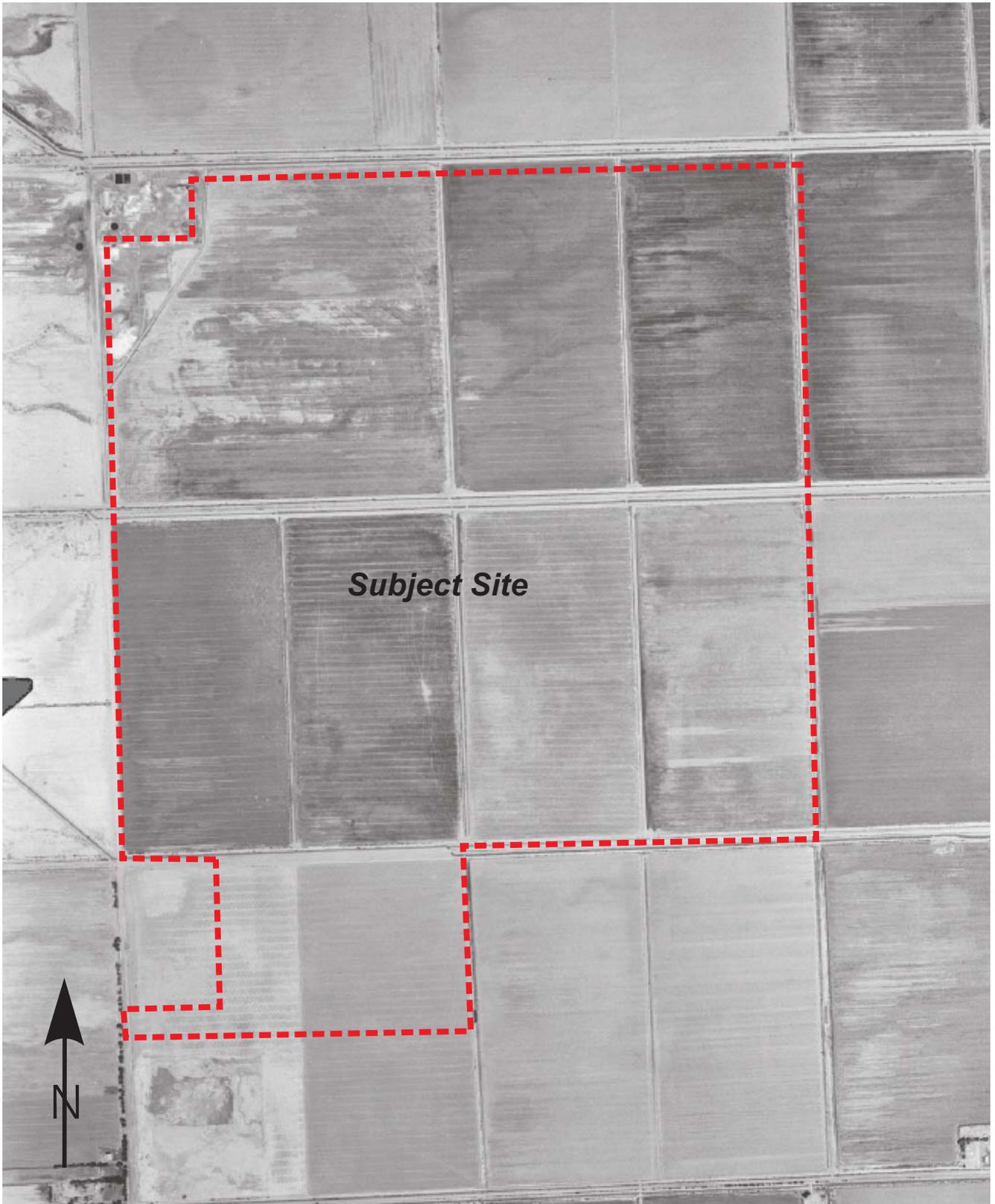


**GS Lyon**

Project No.: GS1921

1949 Aerial Photograph

Plate  
6



*Subject Site*

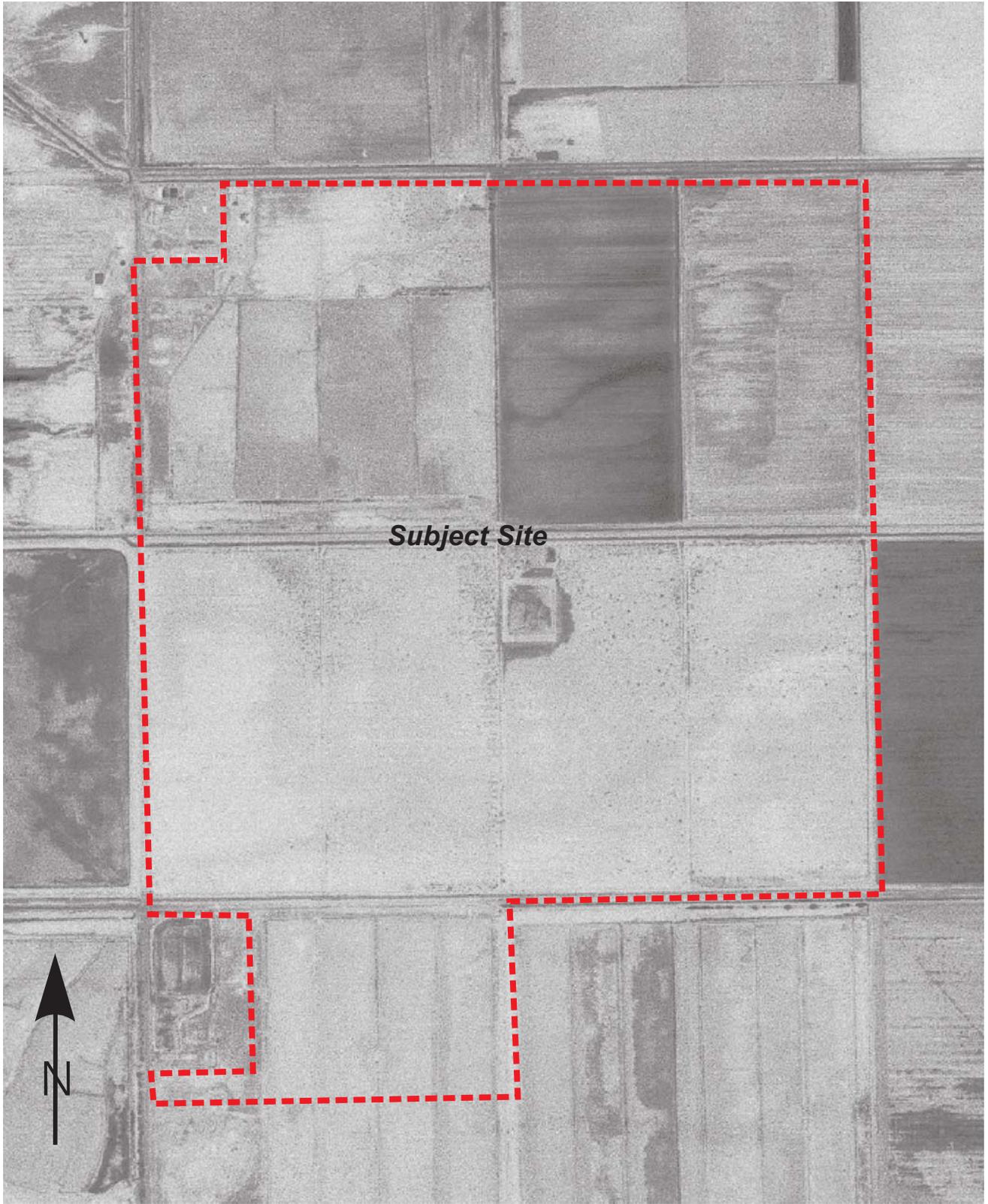


**GS** Lyon

Project No.: GS1921

1953 Aerial Photograph

Plate  
7

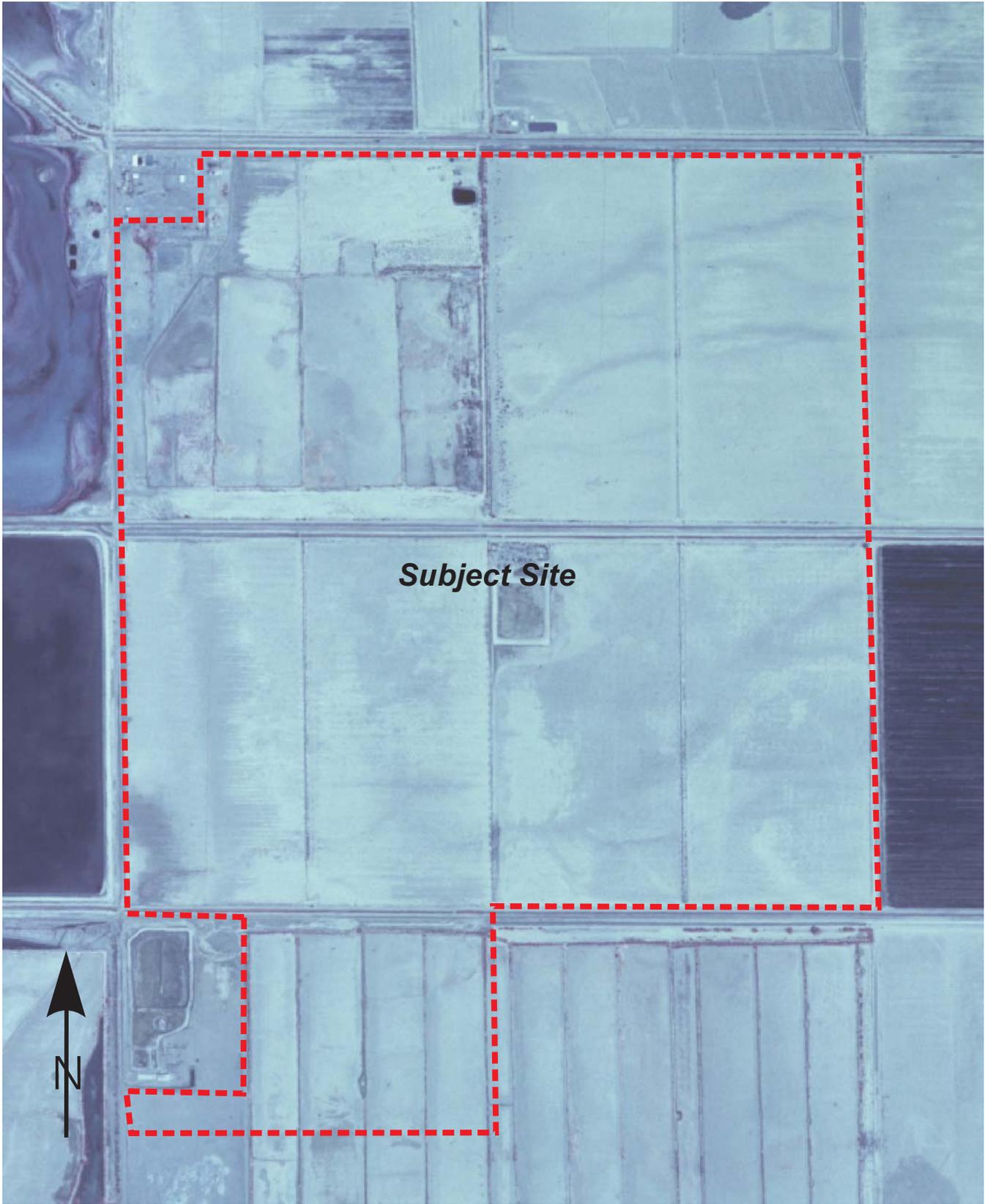


**GS** Lyon

Project No.: GS1921

1976 Aerial Photograph

Plate  
8



*Subject Site*

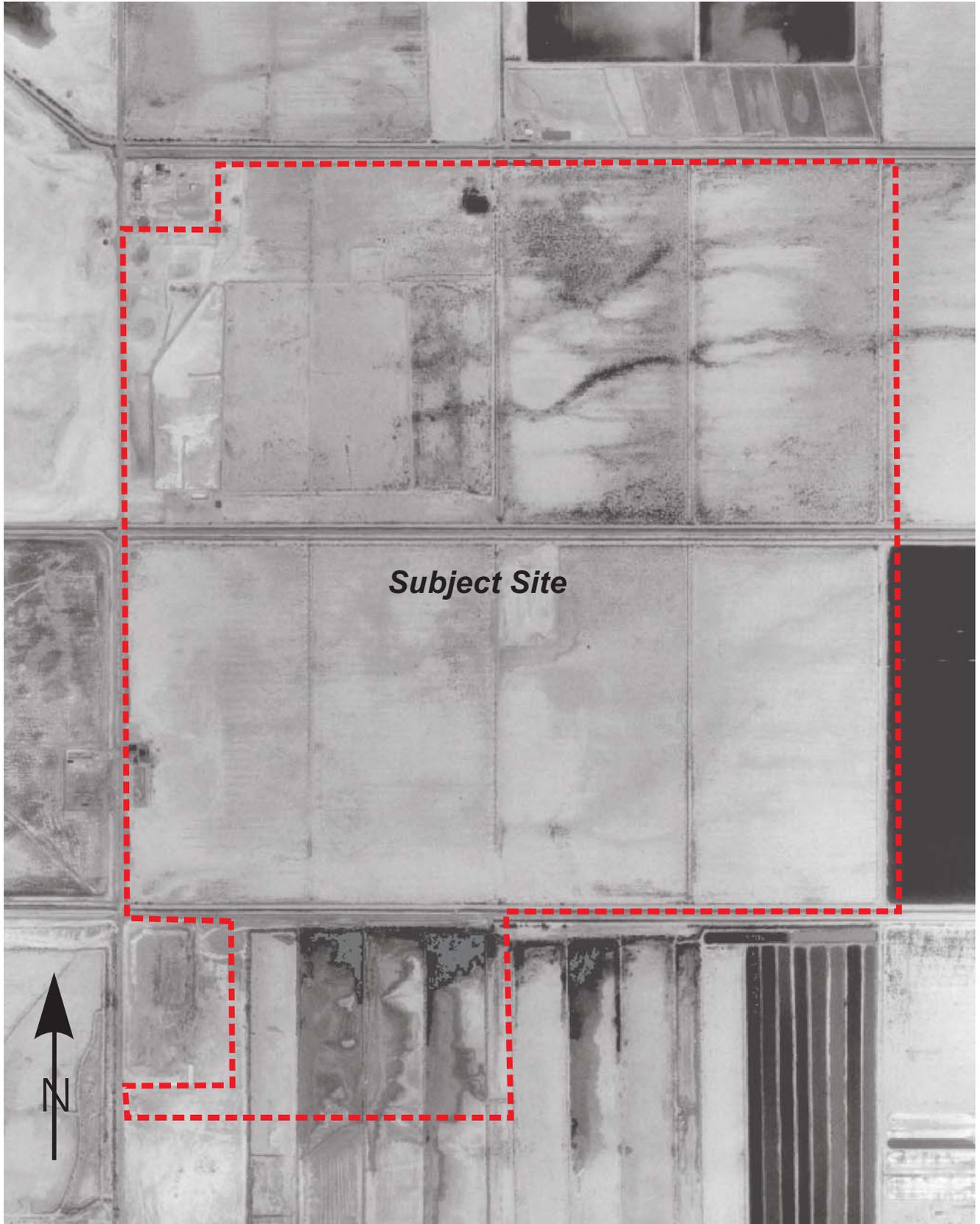


**GS** Lyon

Project No.: GS1921

1984 Aerial Photograph

Plate  
9



*Subject Site*

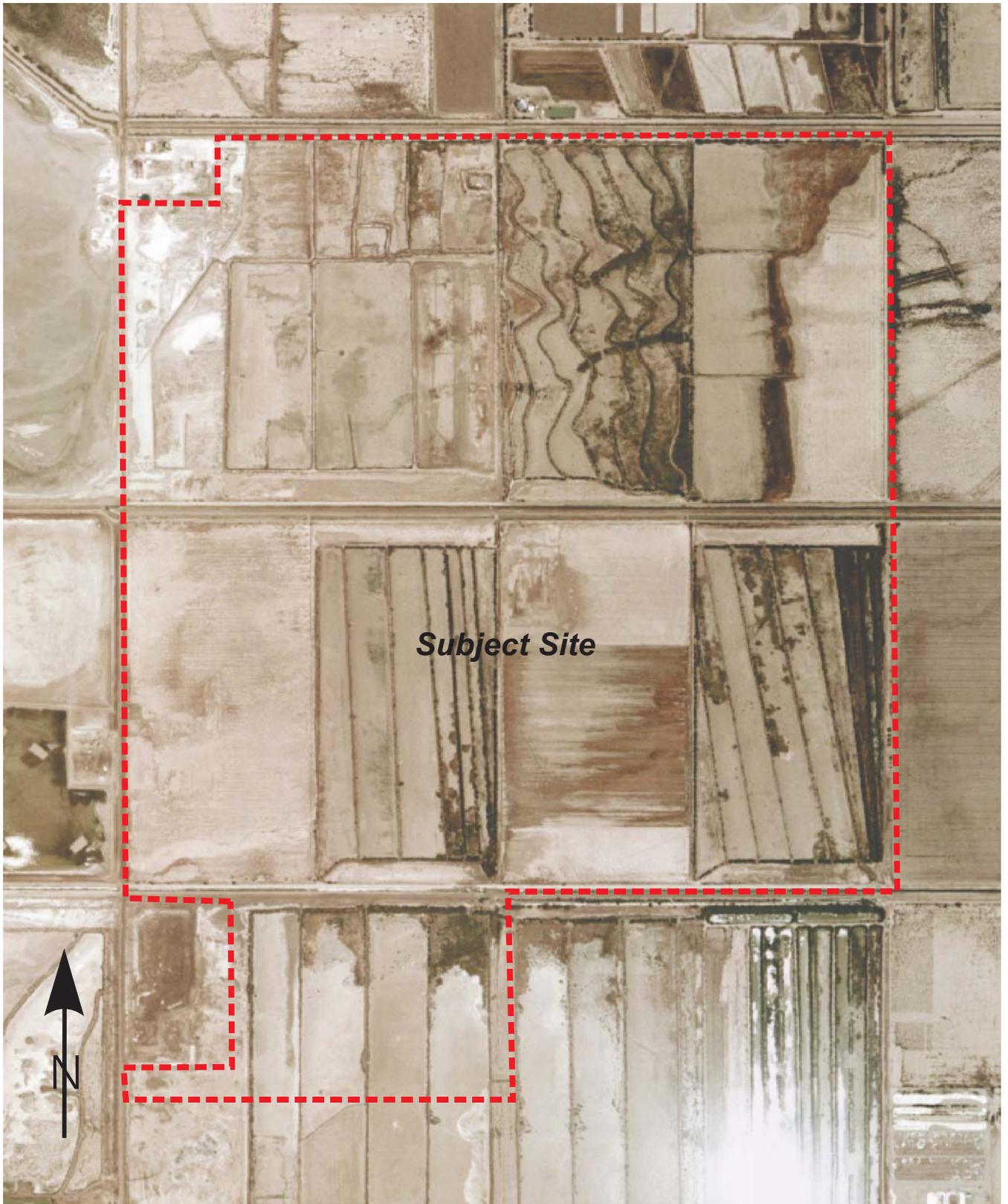


**GS** Lyon

Project No.: GS1921

1992 Aerial Photograph

Plate  
10



*Subject Site*

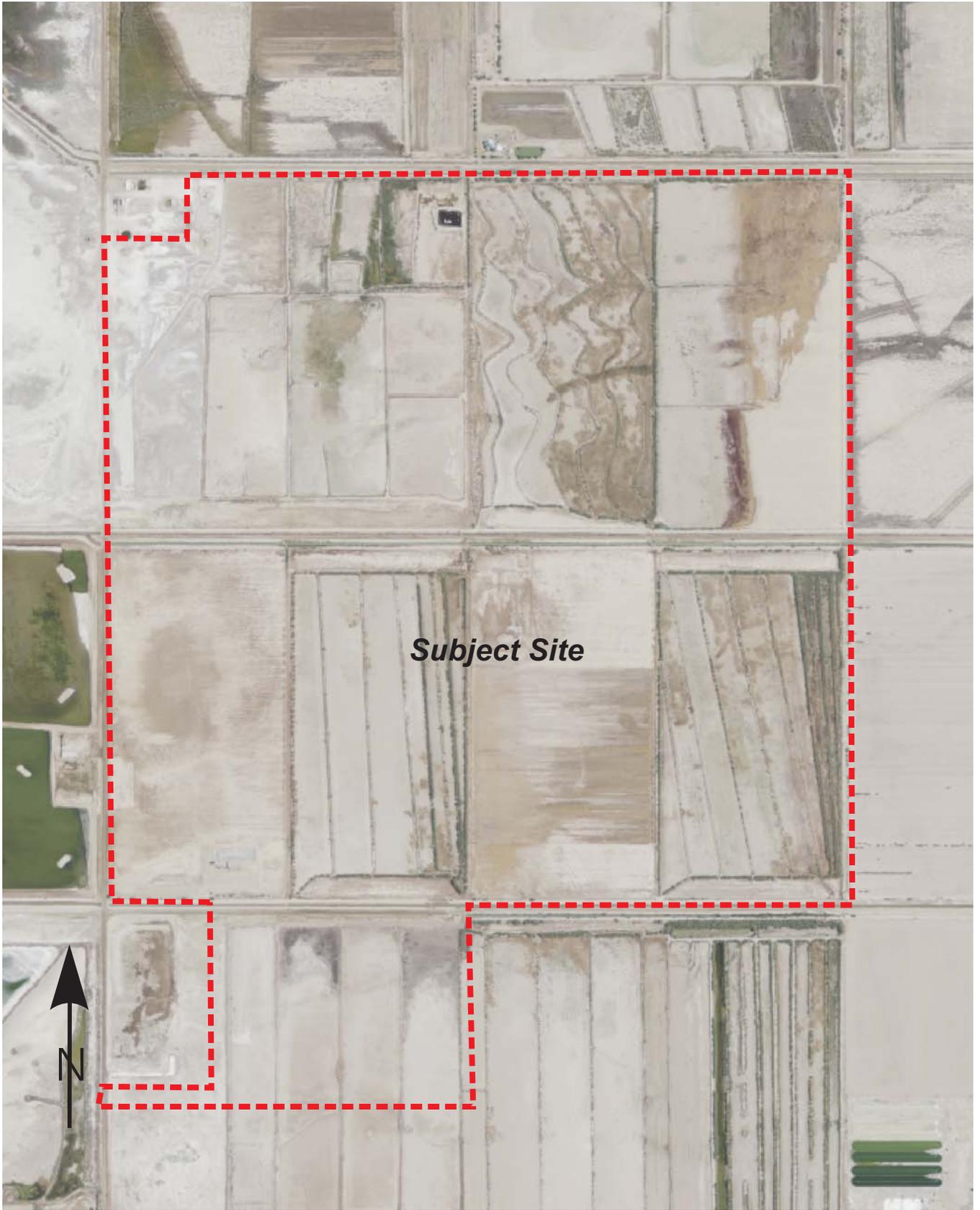


**GS Lyon**

Project No.: GS1921

2006 Aerial Photograph

Plate  
11



*Subject Site*

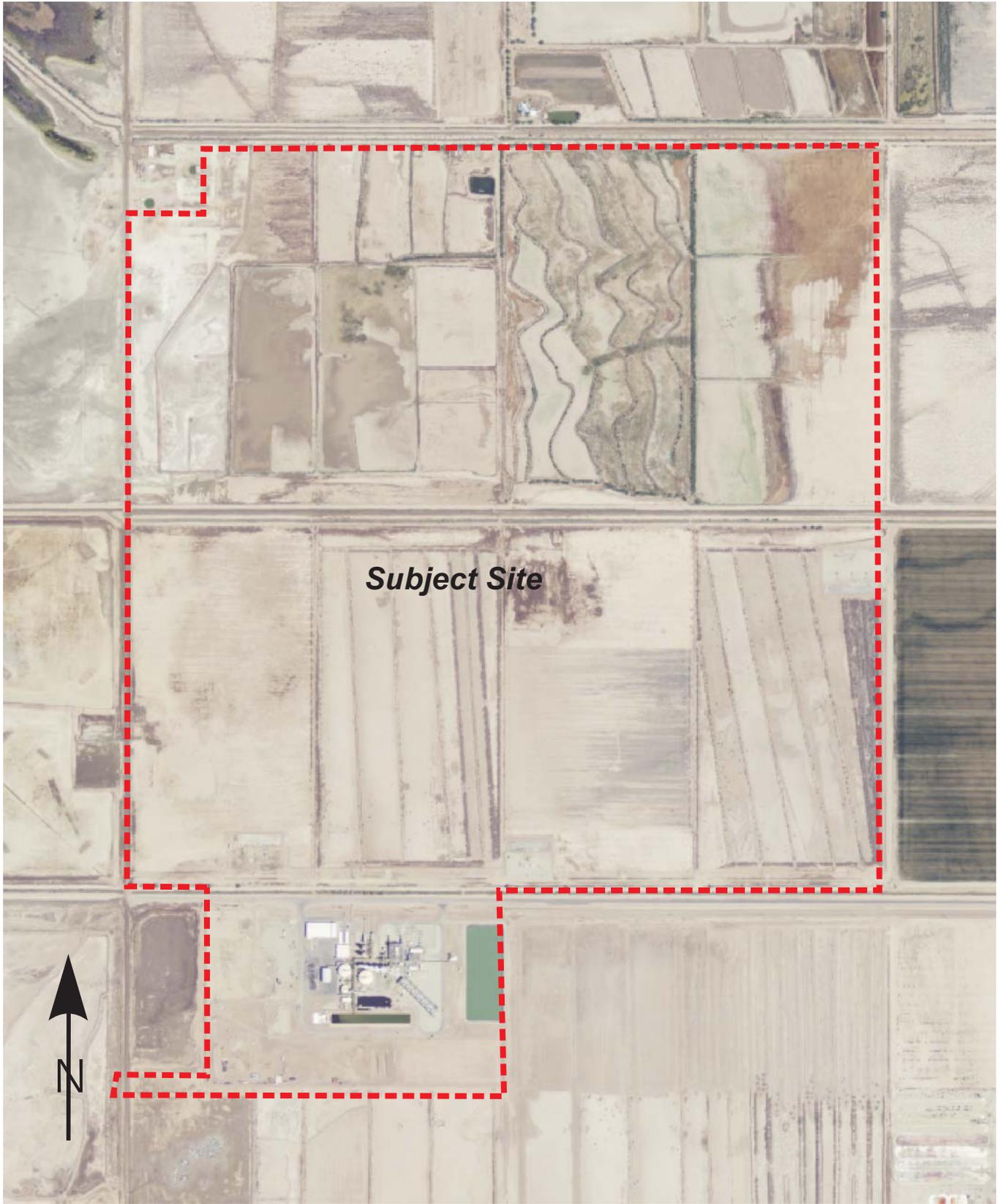


**GS** Lyon

Project No.: GS1921

2009 Aerial Photograph

Plate  
12



*Subject Site*

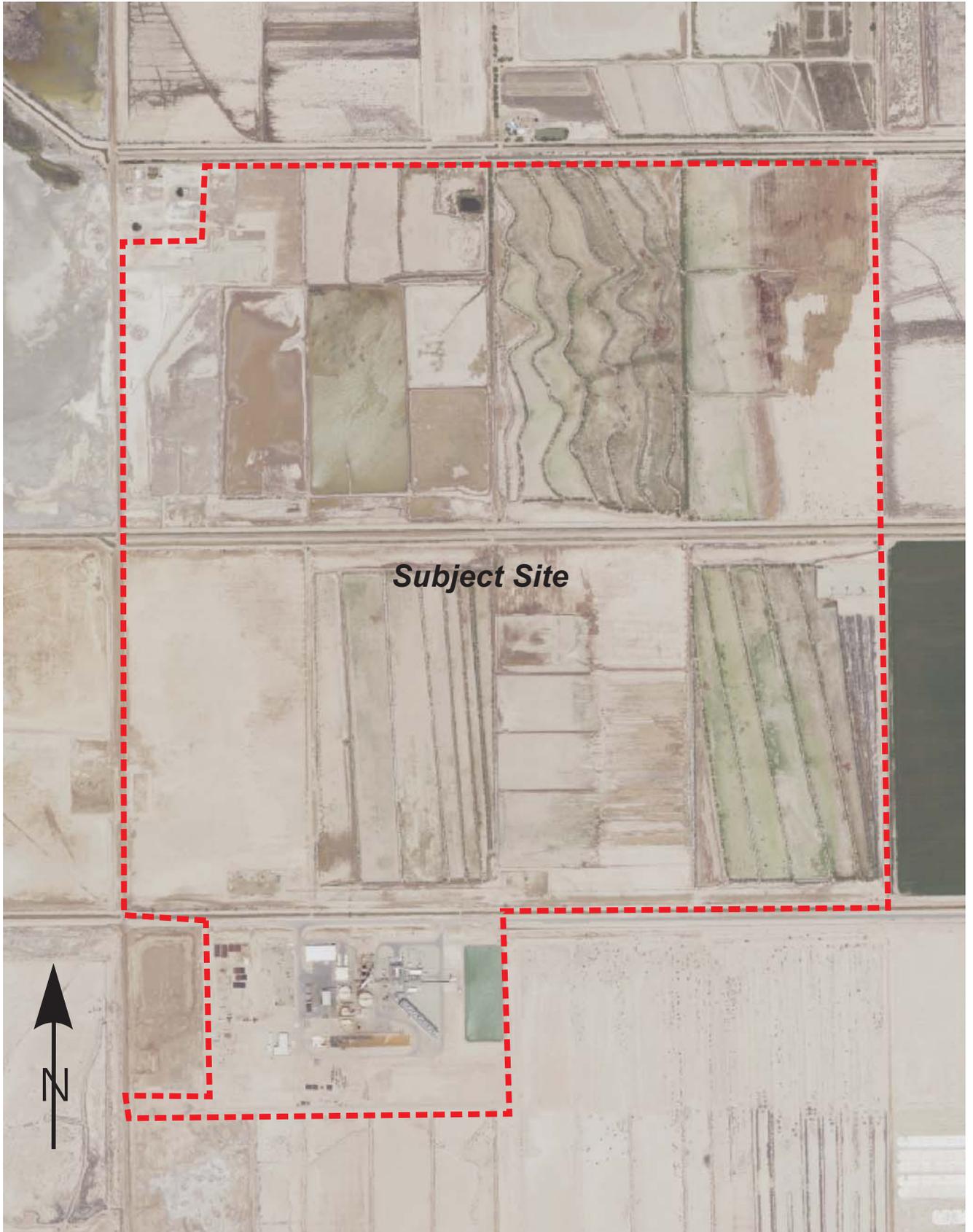


**GS** Lyon

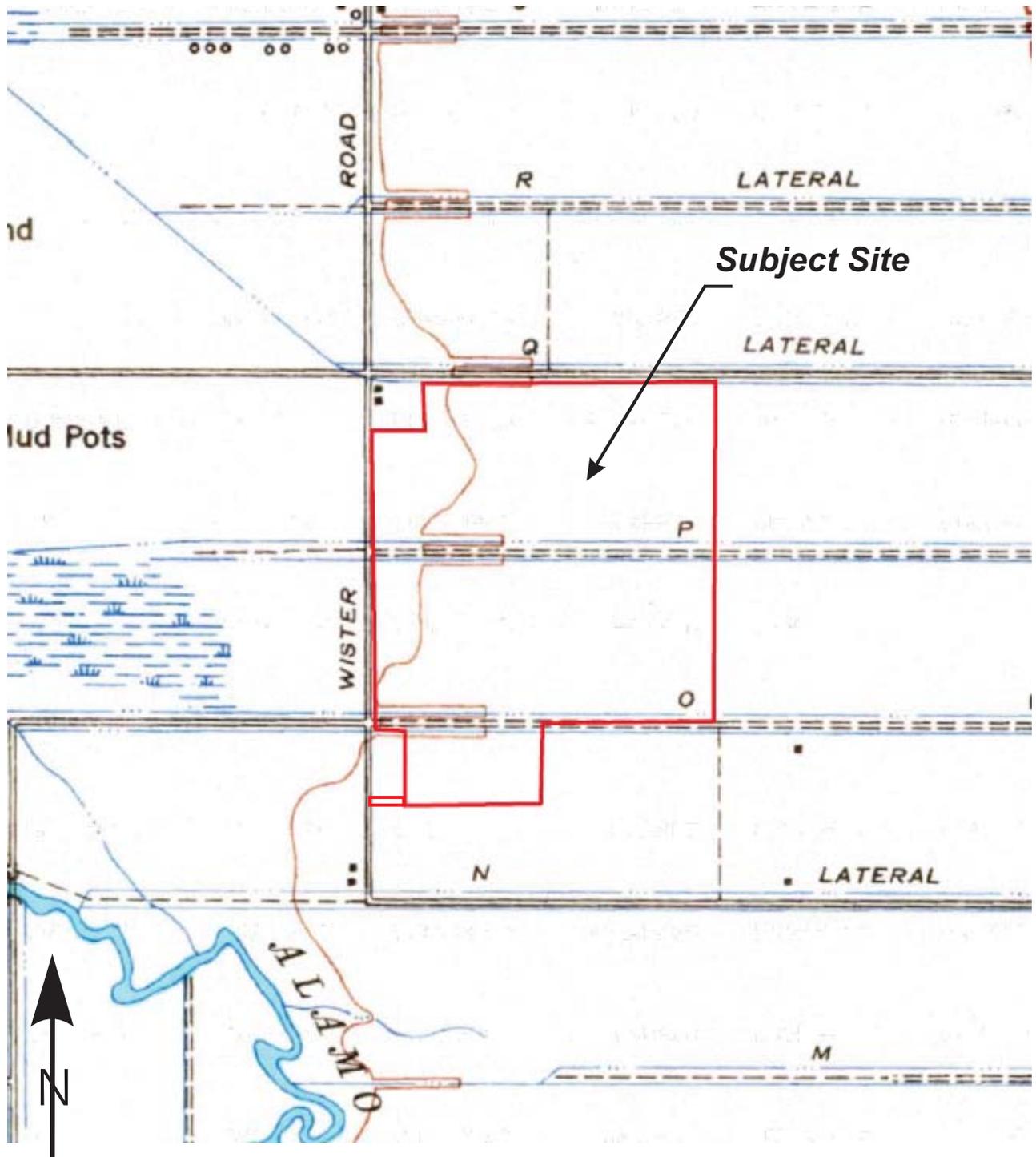
Project No.: GS1921

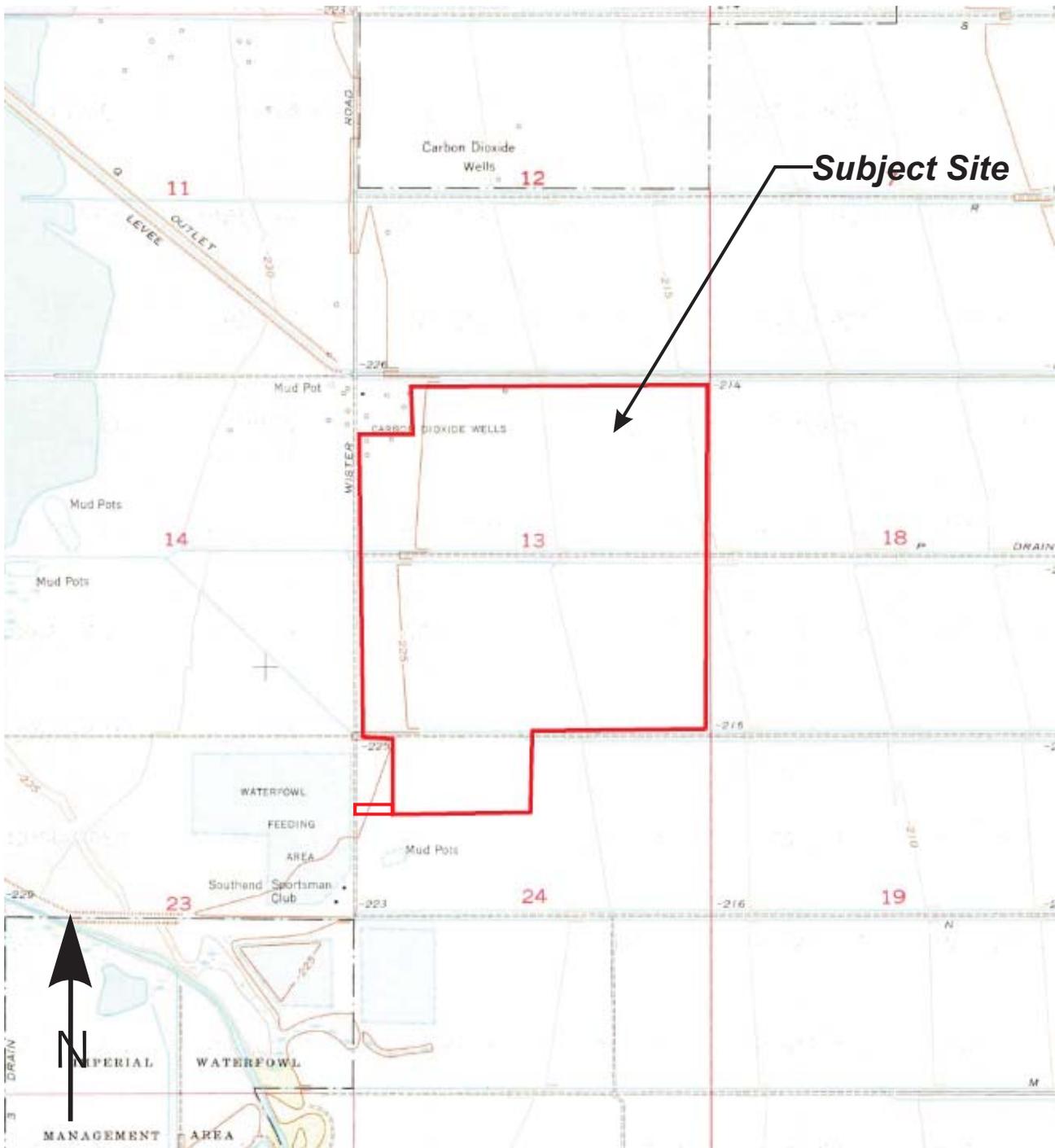
2012 Aerial Photograph

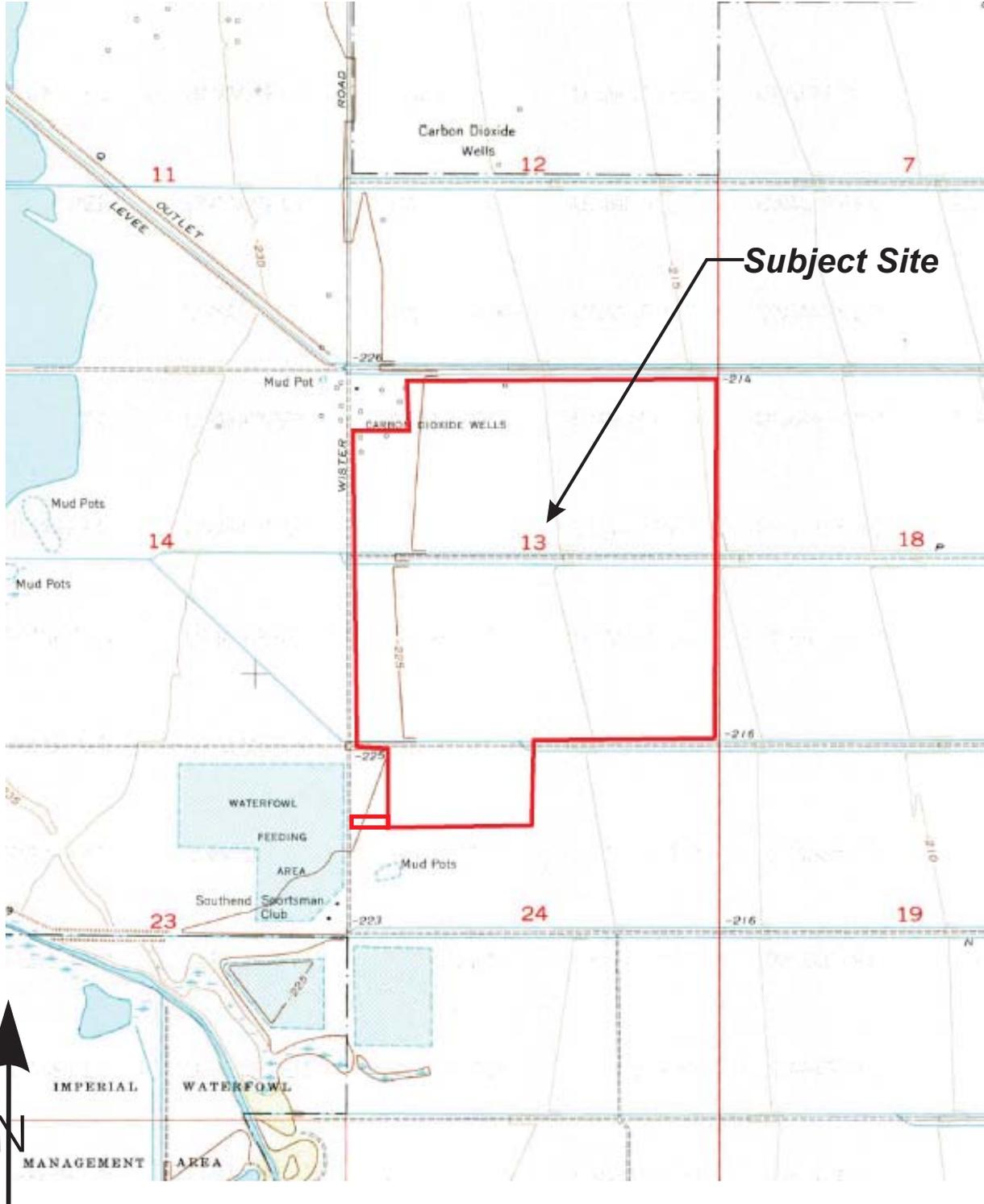
Plate  
13

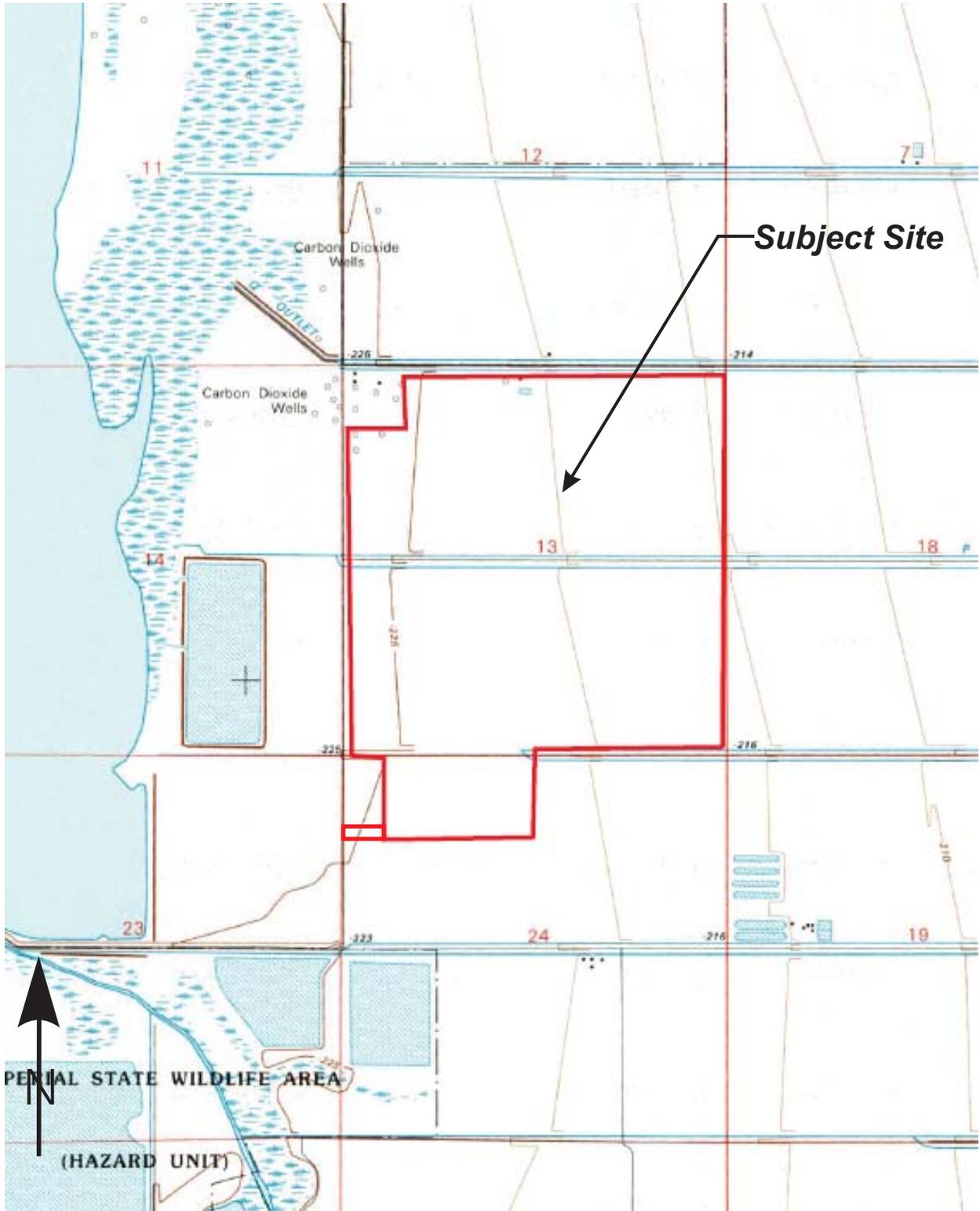


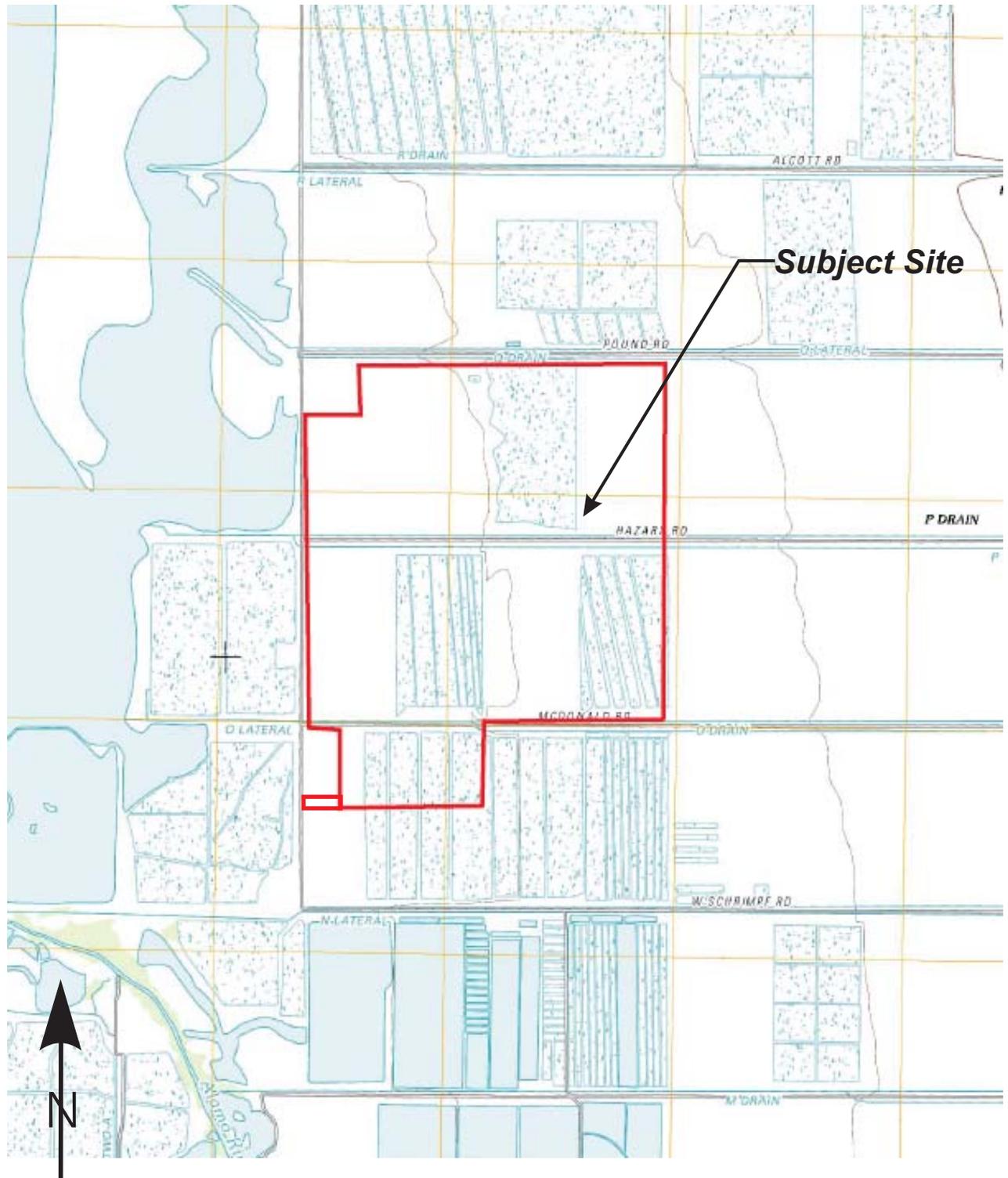
# APPENDIX D











**Subject Site**

**GS Lyon**

Project No.: GS1921

2012 Historical Topographic Map

Plate  
19

Hudson Ranch 1  
409 W McDonald Road  
Niland, CA 92257

Inquiry Number: 5779291.3

September 05, 2019

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

09/05/19

**Site Name:**

Hudson Ranch 1  
409 W McDonald Road  
Niland, CA 92257  
EDR Inquiry # 5779291.3

**Client Name:**

GS Lyon Consultants  
780 N. Fourth Street  
El Centro, CA 92243  
Contact: Pete Labrucherie



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by GS Lyon Consultants were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** 36D8-4B47-90C4  
**PO #** GS1921  
**Project** Hudson Ranch 1 Geothermal

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 36D8-4B47-90C4

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

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

*The Sanborn Library LLC Since 1866™*

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# APPENDIX F

**Hudson Ranch 1**

409 W McDonald Road  
Niland, CA 92257

Inquiry Number: 5779291.2s  
September 05, 2019

**The EDR Radius Map™ Report with GeoCheck®**



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

409 W MCDONALD ROAD  
NILAND, CA 92257

#### COORDINATES

Latitude (North): 33.2115000 - 33° 12' 41.40"  
Longitude (West): 115.5715880 - 115° 34' 17.71"  
Universal Transverse Mercator: Zone 11  
UTM X (Meters): 633125.5  
UTM Y (Meters): 3675451.5  
Elevation: 218 ft. below sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5639770 NILAND, CA  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140606  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
409 W MCDONALD ROAD  
NILAND, CA 92257

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	----------------------------

NO MAPPED SITES FOUND

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

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

## DATABASES WITH NO MAPPED SITES

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

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

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

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

### ***Federal CERCLIS NFRAP site list***

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

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

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

### ***Federal RCRA generators list***

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

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System  
US ENG CONTROLS..... Engineering Controls Sites List

## EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

### **Federal ERNS list**

ERNS..... Emergency Response Notification System

### **State- and tribal - equivalent NPL**

RESPONSE..... State Response Sites

### **State- and tribal - equivalent CERCLIS**

ENVIROSTOR..... EnviroStor Database

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

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

### **State and tribal leaking storage tank lists**

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

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

CPS-SLIC..... Statewide SLIC Cases

### **State and tribal registered storage tank lists**

FEMA UST..... Underground Storage Tank Listing

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

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

### **State and tribal voluntary cleanup sites**

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

### **State and tribal Brownfields sites**

BROWNFIELDS..... Considered Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

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

### **Local Lists of Landfill / Solid Waste Disposal Sites**

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

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

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

ODI..... Open Dump Inventory

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

## EXECUTIVE SUMMARY

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

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL..... Delisted National Clandestine Laboratory Register  
HIST Cal-Sites..... Historical Calsites Database  
SCH..... School Property Evaluation Program  
CDL..... Clandestine Drug Labs  
CERS HAZ WASTE..... CERS HAZ WASTE  
Toxic Pits..... Toxic Pits Cleanup Act Sites  
US CDL..... National Clandestine Laboratory Register  
PFAS..... PFAS Contamination Site Location Listing

### **Local Lists of Registered Storage Tanks**

SWEEPS UST..... SWEEPS UST Listing  
HIST UST..... Hazardous Substance Storage Container Database  
CA FID UST..... Facility Inventory Database  
CERS TANKS..... California Environmental Reporting System (CERS) Tanks

### **Local Land Records**

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

### **Records of Emergency Release Reports**

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

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System

## EXECUTIVE SUMMARY

COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
Cortese.....	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings.....	CUPA Resources List
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HIST CORTESE.....	Hazardous Waste & Substance Site List
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
Notify 65.....	Proposition 65 Records
UIC.....	UIC Listing
UIC GEO.....	UIC GEO (GEOTRACKER)
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List
MILITARY PRIV SITES.....	MILITARY PRIV SITES (GEOTRACKER)
PROJECT.....	PROJECT (GEOTRACKER)
WDR.....	Waste Discharge Requirements Listing
CIWQS.....	California Integrated Water Quality System
CERS.....	CERS
NON-CASE INFO.....	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS.....	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS.....	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT.....	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ.....	Well Stimulation Project (GEOTRACKER)

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP..... EDR Proprietary Manufactured Gas Plants

## EXECUTIVE SUMMARY

EDR Hist Auto..... EDR Exclusive Historical Auto Stations  
EDR Hist Cleaner..... EDR Exclusive Historical Cleaners

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

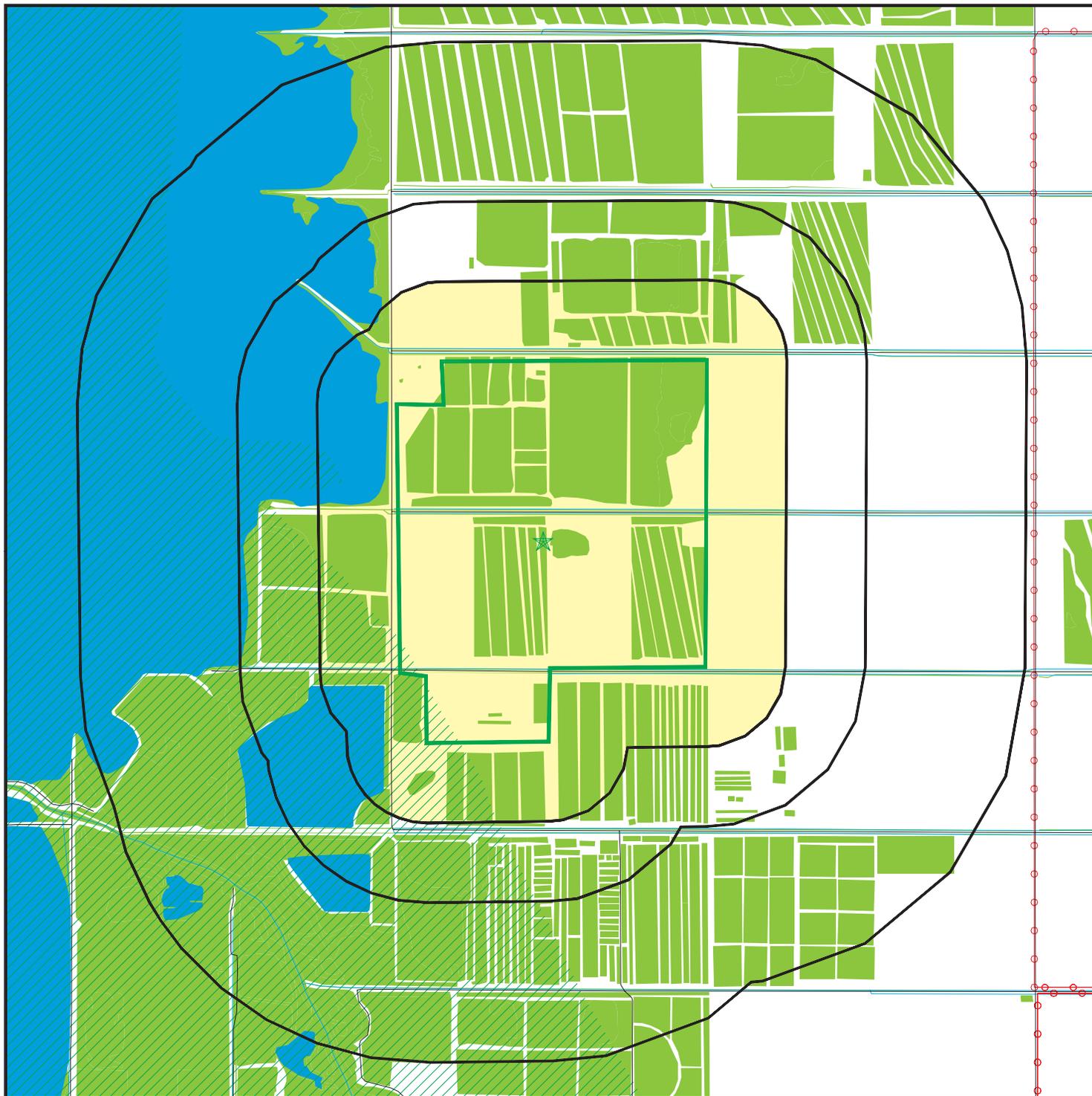
Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
HUDSON RANCH I GEOTHERMAL PRODUCTI	CIWQS

# OVERVIEW MAP - 5779291.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles



Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

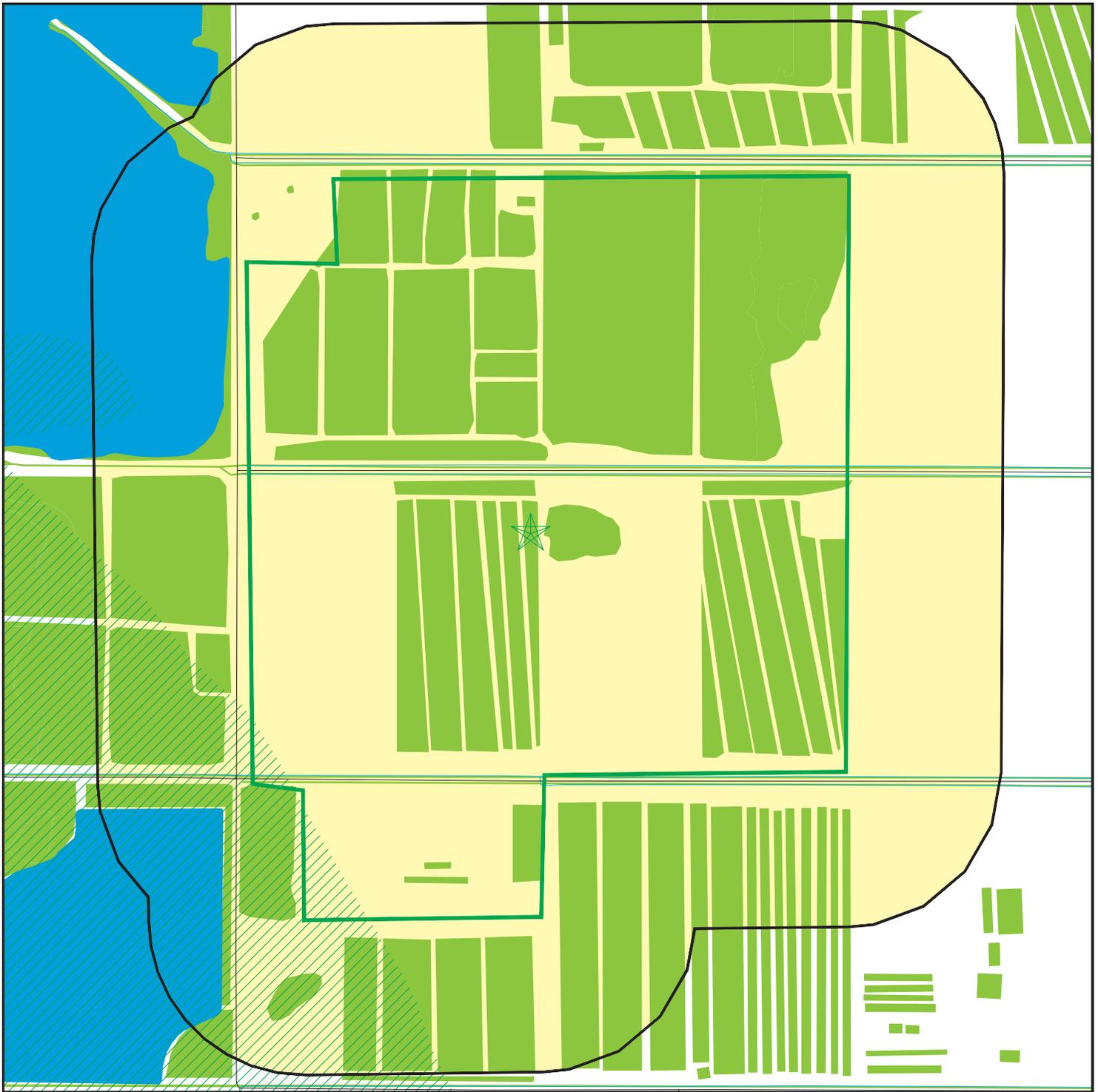


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hudson Ranch 1  
 ADDRESS: 409 W McDonald Road  
 Niland CA 92257  
 LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
 CONTACT: Pete Labrucherie  
 INQUIRY #: 5779291.2s  
 DATE: September 05, 2019 8:23 pm

# DETAIL MAP - 5779291.2S



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

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



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

SITE NAME: Hudson Ranch 1  
 ADDRESS: 409 W McDonald Road  
 Niland CA 92257  
 LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
 CONTACT: Pete Labrucherie  
 INQUIRY #: 5779291.2s  
 DATE: September 05, 2019 8:27 pm

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
CALIPATRIA	S121645096	HUDSON RANCH I GEOTHERMAL PRODUCTI	DAVIS RD & MCDONALD RD INTERSE	92233	CIWQS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **NPL: National Priority List**

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 07/30/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: N/A
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 07/30/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/19/2019  
Date Data Arrived at EDR: 07/30/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 35

Source: EPA  
Telephone: N/A  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 07/03/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 07/19/2019  
Date Data Arrived at EDR: 07/30/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 35

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/19/2019	Source: EPA
Date Data Arrived at EDR: 07/30/2019	Telephone: 800-424-9346
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 07/30/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/25/2019	Source: EPA
Date Data Arrived at EDR: 03/27/2019	Telephone: 800-424-9346
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

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

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/25/2019

Date Data Arrived at EDR: 03/26/2019

Date Made Active in Reports: 05/01/2019

Number of Days to Update: 36

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/26/2019

Next Scheduled EDR Contact: 10/07/2019

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent NPL***

RESPONSE: State Response Sites

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

Date of Government Version: 04/29/2019

Date Data Arrived at EDR: 04/30/2019

Date Made Active in Reports: 06/27/2019

Number of Days to Update: 58

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/29/2019

Date Data Arrived at EDR: 04/30/2019

Date Made Active in Reports: 06/27/2019

Number of Days to Update: 58

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/31/2019

Next Scheduled EDR Contact: 11/11/2019

Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/13/2019

Date Data Arrived at EDR: 05/14/2019

Date Made Active in Reports: 07/17/2019

Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/13/2019

Next Scheduled EDR Contact: 11/25/2019

Data Release Frequency: Quarterly

## ***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

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

## LUST REG 8: Leaking Underground Storage Tanks

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

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

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

## LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 08/05/2019  
Number of Days to Update: 55

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

## LUST REG 4: Underground Storage Tank Leak List

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

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

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

## LUST REG 3: Leaking Underground Storage Tank Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## LUST REG 2: Fuel Leak List

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

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

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

## LUST REG 1: Active Toxic Site Investigation

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

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

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

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

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

## LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018  
Date Data Arrived at EDR: 03/07/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 55

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 07/29/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018  
Date Data Arrived at EDR: 03/08/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 54

Source: Environmental Protection Agency  
Telephone: 415-972-3372  
Last EDR Contact: 07/29/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/16/2018	Source: EPA Region 8
Date Data Arrived at EDR: 03/07/2019	Telephone: 303-312-6271
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 02/19/2019	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/24/2018	Source: EPA Region 4
Date Data Arrived at EDR: 03/12/2019	Telephone: 404-562-8677
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-7439
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-6597
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 06/10/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/11/2019	Telephone: 866-480-1028
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

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

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

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

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

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

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

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

## SLIC REG 7: SLIC List

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

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

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

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

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

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

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

## **State and tribal registered storage tank lists**

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

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

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 08/26/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Varies

### MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 06/10/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/12/2019	Telephone: 916-327-7844
Date Made Active in Reports: 07/23/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 41	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

## UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/10/2019	Source: SWRCB
Date Data Arrived at EDR: 06/11/2019	Telephone: 916-341-5851
Date Made Active in Reports: 07/23/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Semi-Annually

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/12/2016	Telephone: 916-327-5092
Date Made Active in Reports: 09/19/2016	Last EDR Contact: 06/17/2019
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/30/2019
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/07/2018	Source: EPA Region 7
Date Data Arrived at EDR: 03/07/2019	Telephone: 913-551-7003
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/16/2018	Source: EPA Region 8
Date Data Arrived at EDR: 03/07/2019	Telephone: 303-312-6137
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 08/05/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 03/07/2019	Telephone: 214-665-7591
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 03/07/2019	Telephone: 312-886-6136
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/05/2019
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/24/2018	Source: EPA Region 4
Date Data Arrived at EDR: 03/12/2019	Telephone: 404-562-9424
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/23/2019
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/17/2018	Source: EPA Region 10
Date Data Arrived at EDR: 03/07/2019	Telephone: 206-553-2857
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 03/08/2019	Telephone: 415-972-3368
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 03/07/2019	Telephone: 617-918-1313
Date Made Active in Reports: 05/01/2019	Last EDR Contact: 07/29/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## **State and tribal voluntary cleanup sites**

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/20/2019
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Varies

## VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 04/29/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/30/2019	Telephone: 916-323-3400
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/31/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Quarterly

## **State and tribal Brownfields sites**

### BROWNFIELDS: Considered Brownfields Sites Listing

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

Date of Government Version: 06/24/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/25/2019	Telephone: 916-323-7905
Date Made Active in Reports: 08/21/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/04/2019	Telephone: 202-566-2777
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 06/04/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 09/30/2019
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### WMUDS/SWAT: Waste Management Unit Database

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 07/25/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/11/2019  
Date Data Arrived at EDR: 06/12/2019  
Date Made Active in Reports: 08/15/2019  
Number of Days to Update: 64

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/12/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 03/26/2019  
Date Data Arrived at EDR: 03/27/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 34

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 08/07/2019  
Next Scheduled EDR Contact: 11/25/2019  
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 07/25/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

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

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

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

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 08/02/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Local Lists of Hazardous waste / Contaminated Sites

### US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 06/11/2019	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 06/13/2019	Telephone: 202-307-1000
Date Made Active in Reports: 09/03/2019	Last EDR Contact: 08/21/2019
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/09/2019
	Data Release Frequency: No Update Planned

### HIST CAL-SITES: Calsites Database

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

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

### SCH: School Property Evaluation Program

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

Date of Government Version: 04/29/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/30/2019	Telephone: 916-323-3400
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/31/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Quarterly

### CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2017	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/12/2018	Telephone: 916-255-6504
Date Made Active in Reports: 08/06/2018	Last EDR Contact: 07/08/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Varies

### TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### CERS HAZ WASTE: CERS HAZ WASTE

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/14/2019  
Date Data Arrived at EDR: 08/14/2019  
Date Made Active in Reports: 08/21/2019  
Number of Days to Update: 7

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Quarterly

## US CDL: Clandestine Drug Labs

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

Date of Government Version: 06/11/2019  
Date Data Arrived at EDR: 06/13/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/28/2019  
Date Data Arrived at EDR: 06/28/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 26

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/28/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## Local Lists of Registered Storage Tanks

### SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

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

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/04/2018  
Date Data Arrived at EDR: 12/06/2018  
Date Made Active in Reports: 12/14/2018  
Number of Days to Update: 8

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Annually

### HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
Date Data Arrived at EDR: 01/25/1991  
Date Made Active in Reports: 02/12/1991  
Number of Days to Update: 18

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018  
Date Data Arrived at EDR: 09/12/2018  
Date Made Active in Reports: 10/11/2018  
Number of Days to Update: 29

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## CA FID UST: Facility Inventory Database

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

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

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

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 08/14/2019  
Date Data Arrived at EDR: 08/14/2019  
Date Made Active in Reports: 08/21/2019  
Number of Days to Update: 7

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Quarterly

## **Local Land Records**

### LIENS: Environmental Liens Listing

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

Date of Government Version: 06/05/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/09/2019  
Number of Days to Update: 64

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/30/2019  
Date Data Arrived at EDR: 07/30/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 06/04/2019	Source: DTSC and SWRCB
Date Data Arrived at EDR: 06/04/2019	Telephone: 916-323-3400
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Semi-Annually

### **Records of Emergency Release Reports**

#### **HMIRS: Hazardous Materials Information Reporting System**

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

Date of Government Version: 03/25/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/26/2019	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

#### **CHMIRS: California Hazardous Material Incident Report System**

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

Date of Government Version: 05/15/2019	Source: Office of Emergency Services
Date Data Arrived at EDR: 06/24/2019	Telephone: 916-845-8400
Date Made Active in Reports: 08/21/2019	Last EDR Contact: 07/26/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Semi-Annually

#### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

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

Date of Government Version: 06/10/2019	Source: State Water Quality Control Board
Date Data Arrived at EDR: 06/11/2019	Telephone: 866-480-1028
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 55	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

#### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

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

Date of Government Version: 06/10/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/11/2019	Telephone: 866-480-1028
Date Made Active in Reports: 07/24/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2019	Telephone: (415) 495-8895
Date Made Active in Reports: 04/17/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 05/15/2019	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 05/21/2019	Telephone: 202-528-4285
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 08/23/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/09/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/10/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 08/16/2019  
Next Scheduled EDR Contact: 11/25/2019  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/25/2019  
Date Data Arrived at EDR: 03/26/2019  
Date Made Active in Reports: 05/07/2019  
Number of Days to Update: 42

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

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

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

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 08/09/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 06/18/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 01/10/2018  
Date Made Active in Reports: 01/12/2018  
Number of Days to Update: 2

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 08/23/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 09/30/2018  
Date Data Arrived at EDR: 04/24/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 106

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 07/26/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 07/19/2019  
Date Data Arrived at EDR: 07/30/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 35

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 09/16/2019  
Data Release Frequency: Annually

## RMP: Risk Management Plans

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

Date of Government Version: 04/25/2019  
Date Data Arrived at EDR: 05/02/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 21

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/11/2019	Source: EPA
Date Data Arrived at EDR: 04/18/2019	Telephone: 202-564-6023
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 07/30/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Quarterly

## PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 07/12/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 07/03/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 06/07/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 09/16/2019
	Data Release Frequency: Varies

## COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 09/03/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

## PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 08/09/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

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

Date of Government Version: 04/02/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/02/2019	Telephone: 202-343-9775
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 07/01/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 04/01/2019  
Date Data Arrived at EDR: 04/30/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 100

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 05/23/2019  
Number of Days to Update: 30

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 07/08/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

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

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 07/10/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/23/2017  
Date Data Arrived at EDR: 10/11/2017  
Date Made Active in Reports: 11/03/2017  
Number of Days to Update: 23

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/19/2019  
Date Data Arrived at EDR: 07/30/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 35

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 07/30/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

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

Date of Government Version: 05/03/2019  
Date Data Arrived at EDR: 05/29/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 71

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/27/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/30/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 08/30/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/27/2019  
Date Data Arrived at EDR: 03/28/2019  
Date Made Active in Reports: 05/01/2019  
Number of Days to Update: 34

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 08/27/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/03/2019  
Date Data Arrived at EDR: 06/05/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 90

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 09/04/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/17/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 74

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 07/15/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 04/07/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/09/2019	Telephone: 202-564-2280
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 07/09/2019
Number of Days to Update: 44	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/20/2019	Source: EPA
Date Data Arrived at EDR: 05/21/2019	Telephone: 800-385-6164
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/24/2019	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/25/2019	Telephone: 916-323-3400
Date Made Active in Reports: 08/21/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 08/15/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Varies

## CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 04/18/2019	Source: San Francisco County Department of Environmental Health
Date Data Arrived at EDR: 04/19/2019	Telephone: 415-252-3896
Date Made Active in Reports: 04/30/2019	Last EDR Contact: 07/31/2019
Number of Days to Update: 11	Next Scheduled EDR Contact: 11/18/2019
	Data Release Frequency: Varies

## DRYCLEANERS: Cleaner Facilities

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/28/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 55

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Annually

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

Date of Government Version: 03/19/2019  
Date Data Arrived at EDR: 03/22/2019  
Date Made Active in Reports: 04/09/2019  
Number of Days to Update: 18

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Varies

**DRYCLEAN AVAQMD:** Antelope Valley Air Quality Management District Drycleaner Listing  
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 06/03/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 65

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Varies

**EMI:** Emissions Inventory Data

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

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/24/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 59

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 06/24/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Varies

**ENF:** Enforcement Action Listing

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

Date of Government Version: 11/01/2018  
Date Data Arrived at EDR: 11/02/2018  
Date Made Active in Reports: 12/13/2018  
Number of Days to Update: 41

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 07/18/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

**Financial Assurance 1:** Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/22/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

**Financial Assurance 2:** Financial Assurance Information Listing

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

Date of Government Version: 05/15/2019  
Date Data Arrived at EDR: 05/16/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 63

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 08/07/2019  
Next Scheduled EDR Contact: 11/25/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 07/12/2019
Number of Days to Update: 54	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Annually

## ICE: ICE

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

Date of Government Version: 05/20/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/21/2019	Telephone: 877-786-9427
Date Made Active in Reports: 07/18/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

## HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/20/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 05/21/2019	Telephone: 916-323-3400
Date Made Active in Reports: 07/18/2019	Last EDR Contact: 08/20/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Quarterly

## HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 04/08/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/09/2019	Telephone: 916-440-7145
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 07/09/2019
Number of Days to Update: 51	Next Scheduled EDR Contact: 10/21/2019
	Data Release Frequency: Quarterly

## MINES: Mines Site Location Listing

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

Date of Government Version: 06/10/2019	Source: Department of Conservation
Date Data Arrived at EDR: 06/11/2019	Telephone: 916-322-1080
Date Made Active in Reports: 08/15/2019	Last EDR Contact: 06/11/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 05/17/2019	Source: Department of Public Health
Date Data Arrived at EDR: 06/04/2019	Telephone: 916-558-1784
Date Made Active in Reports: 08/09/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/13/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/14/2019	Telephone: 916-445-9379
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 08/13/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

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

Date of Government Version: 06/04/2019	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 06/04/2019	Telephone: 916-445-4038
Date Made Active in Reports: 08/09/2019	Last EDR Contact: 09/04/2019
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Quarterly

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/11/2019	Source: Department of Conservation
Date Data Arrived at EDR: 06/12/2019	Telephone: 916-323-3836
Date Made Active in Reports: 08/15/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 64	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

### NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 06/17/2019	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/18/2019	Telephone: 916-445-3846
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/17/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 09/30/2019
	Data Release Frequency: No Update Planned

### UIC: UIC Listing

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

Date of Government Version: 04/27/2018	Source: Department of Conservation
Date Data Arrived at EDR: 06/13/2018	Telephone: 916-445-2408
Date Made Active in Reports: 07/17/2018	Last EDR Contact: 08/20/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resource Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

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

Date of Government Version: 05/08/2018  
Date Data Arrived at EDR: 07/11/2018  
Date Made Active in Reports: 09/13/2018  
Number of Days to Update: 64

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 07/12/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
Date Data Arrived at EDR: 06/20/2007  
Date Made Active in Reports: 06/29/2007  
Number of Days to Update: 9

Source: State Water Resources Control Board  
Telephone: 916-341-5227  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: No Update Planned

## WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/11/2019  
Date Data Arrived at EDR: 06/12/2019  
Date Made Active in Reports: 08/15/2019  
Number of Days to Update: 64

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 06/12/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 65

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 09/04/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 08/14/2019  
Date Data Arrived at EDR: 08/14/2019  
Date Made Active in Reports: 08/21/2019  
Number of Days to Update: 7

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 06/10/2019  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 43

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/11/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Varies

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### ***Exclusive Recovered Govt. Archives***

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

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

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

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 07/08/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 06/20/2019  
Number of Days to Update: 70

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 04/24/2047  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 06/27/2019  
Date Data Arrived at EDR: 06/28/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 26

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 07/08/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/02/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 27

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 06/24/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 05/17/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 58

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### SL CONTRA COSTA: Site List

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

Date of Government Version: 05/22/2019  
Date Data Arrived at EDR: 05/23/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 56

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 07/26/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 02/20/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 29

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 07/25/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 06/05/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 07/23/2019  
Number of Days to Update: 47

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 07/26/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/10/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 19

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

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

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 12/11/2018  
Date Data Arrived at EDR: 12/13/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 33

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 08/19/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/24/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 70

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## KERN COUNTY:

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

Date of Government Version: 05/06/2019  
Date Data Arrived at EDR: 05/07/2019  
Date Made Active in Reports: 07/16/2019  
Number of Days to Update: 70

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

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

Date of Government Version: 05/16/2019  
Date Data Arrived at EDR: 05/17/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 13

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 05/30/2019  
Date Data Arrived at EDR: 05/31/2019  
Date Made Active in Reports: 07/23/2019  
Number of Days to Update: 53

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 07/15/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/17/2019  
Date Data Arrived at EDR: 01/18/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 46

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206

Source: N/A  
Telephone: N/A  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/13/2019  
Date Data Arrived at EDR: 05/16/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 63

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 07/08/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/15/2019  
Date Data Arrived at EDR: 04/16/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 66

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 07/17/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 01/15/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 51

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 07/12/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Varies

### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 06/25/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 07/19/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 06/25/2019
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/07/2019
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 07/15/2019	Source: Community Health Services
Date Data Arrived at EDR: 07/17/2019	Telephone: 323-890-7806
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 07/17/2019
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 07/12/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/28/2019
	Data Release Frequency: No Update Planned

## UST LONG BEACH: City of Long Beach Underground Storage Tank

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

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/19/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/04/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 310-618-2973
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 07/19/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

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

Date of Government Version: 05/28/2019	Source: Madera County Environmental Health
Date Data Arrived at EDR: 05/30/2019	Telephone: 559-675-7823
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 08/14/2019
Number of Days to Update: 67	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 06/26/2019
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 05/29/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 05/30/2019	Telephone: 209-381-1094
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 08/14/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 12/02/2019
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List  
CUPA Facility List

Date of Government Version: 05/23/2019	Source: Mono County Health Department
Date Data Arrived at EDR: 05/30/2019	Telephone: 760-932-5580
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 08/21/2019
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/09/2019
	Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 02/05/2019  
Date Data Arrived at EDR: 02/07/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 26

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 06/28/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination

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

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 02/21/2019  
Date Data Arrived at EDR: 02/22/2019  
Date Made Active in Reports: 03/08/2019  
Number of Days to Update: 14

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/20/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 9

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 07/25/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/09/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 21

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Annually

### LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 05/09/2019  
Date Made Active in Reports: 05/30/2019  
Number of Days to Update: 21

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 04/02/2019  
Date Data Arrived at EDR: 05/07/2019  
Date Made Active in Reports: 07/16/2019  
Number of Days to Update: 70

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 06/03/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 08/12/2019  
Number of Days to Update: 69

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

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

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/12/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 18

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Quarterly

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 04/11/2019  
Date Data Arrived at EDR: 04/12/2019  
Date Made Active in Reports: 06/20/2019  
Number of Days to Update: 69

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/06/2019  
Date Data Arrived at EDR: 06/28/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 55

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 06/28/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Quarterly

## ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/06/2019  
Date Data Arrived at EDR: 04/02/2019  
Date Made Active in Reports: 06/20/2019  
Number of Days to Update: 79

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 06/28/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 03/11/2019  
Date Data Arrived at EDR: 03/13/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 48

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 07/16/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 05/31/2019  
Date Data Arrived at EDR: 05/31/2019  
Date Made Active in Reports: 07/22/2019  
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 65

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 09/04/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

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

Date of Government Version: 04/24/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
Date Data Arrived at EDR: 06/15/2010  
Date Made Active in Reports: 07/09/2010  
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health  
Telephone: 619-338-2371  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### LUST SAN FRANCISCO: Local Oversight Facilities

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

Date of Government Version: 09/19/2008  
Date Data Arrived at EDR: 09/19/2008  
Date Made Active in Reports: 09/29/2008  
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County  
Telephone: 415-252-3920  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/05/2018  
Date Data Arrived at EDR: 11/06/2018  
Date Made Active in Reports: 12/14/2018  
Number of Days to Update: 38

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 06/17/2019  
Next Scheduled EDR Contact: 09/30/2019  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 05/20/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 58

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/06/2019  
Date Data Arrived at EDR: 08/14/2019  
Date Made Active in Reports: 08/15/2019  
Number of Days to Update: 1

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/10/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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

Source: Santa Barbara County Public Health Department  
Telephone: 805-686-8167  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 05/16/2019  
Date Data Arrived at EDR: 05/23/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 56

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
Date Data Arrived at EDR: 03/05/2014  
Date Made Active in Reports: 03/18/2014  
Number of Days to Update: 13

Source: Department of Environmental Health  
Telephone: 408-918-3417  
Last EDR Contact: 08/21/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 05/19/2019  
Date Data Arrived at EDR: 05/23/2019  
Date Made Active in Reports: 07/22/2019  
Number of Days to Update: 60

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

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

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA SHASTA: CUPA Facility List

Cupa Facility List.

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

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 08/14/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Varies

## SOLANO COUNTY:

### LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 07/23/2019  
Number of Days to Update: 47

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Quarterly

## SONOMA COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 06/18/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 07/24/2019  
Number of Days to Update: 29

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Varies

## LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/11/2019  
Date Made Active in Reports: 04/30/2019  
Number of Days to Update: 19

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 06/19/2019  
Next Scheduled EDR Contact: 10/07/2019  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 12/11/2018  
Date Data Arrived at EDR: 12/13/2018  
Date Made Active in Reports: 01/15/2019  
Number of Days to Update: 33

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 07/15/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/03/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 07/23/2019  
Number of Days to Update: 49

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 08/28/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/20/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 07/18/2019  
Number of Days to Update: 58

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/24/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/28/2019  
Number of Days to Update: 64

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 07/19/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 05/09/2019  
Date Data Arrived at EDR: 05/10/2019  
Date Made Active in Reports: 07/17/2019  
Number of Days to Update: 68

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 08/05/2019  
Next Scheduled EDR Contact: 11/18/2019  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA TUOLUMNE: CUPA Facility List Cupa facility list

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

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 07/31/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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

Date of Government Version: 03/26/2019  
Date Data Arrived at EDR: 04/25/2019  
Date Made Active in Reports: 06/27/2019  
Number of Days to Update: 63

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 07/22/2019  
Next Scheduled EDR Contact: 11/04/2019  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 06/26/2019  
Next Scheduled EDR Contact: 10/14/2019  
Data Release Frequency: No Update Planned

### LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

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

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 08/07/2019  
Next Scheduled EDR Contact: 11/25/2019  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MED WASTE VENTURA: Medical Waste Program List

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

Date of Government Version: 03/26/2019	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 04/25/2019	Telephone: 805-654-2813
Date Made Active in Reports: 05/30/2019	Last EDR Contact: 07/22/2019
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/04/2019
	Data Release Frequency: Quarterly

## UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 06/10/2019	Source: Environmental Health Division
Date Data Arrived at EDR: 06/12/2019	Telephone: 805-654-2813
Date Made Active in Reports: 07/24/2019	Last EDR Contact: 06/12/2019
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2019
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/26/2019	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/28/2019	Telephone: 530-666-8646
Date Made Active in Reports: 07/31/2019	Last EDR Contact: 06/26/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/14/2019
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2019	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 05/07/2019	Telephone: 530-749-7523
Date Made Active in Reports: 07/16/2019	Last EDR Contact: 07/25/2019
Number of Days to Update: 70	Next Scheduled EDR Contact: 11/11/2019
	Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/14/2019	Telephone: 860-424-3375
Date Made Active in Reports: 08/05/2019	Last EDR Contact: 08/07/2019
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/25/2019
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 04/10/2019  
Date Made Active in Reports: 05/16/2019  
Number of Days to Update: 36

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/09/2019  
Next Scheduled EDR Contact: 10/21/2019  
Data Release Frequency: Annually

## NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 07/29/2019  
Next Scheduled EDR Contact: 11/11/2019  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 10/23/2018  
Date Made Active in Reports: 11/27/2018  
Number of Days to Update: 35

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 07/15/2019  
Next Scheduled EDR Contact: 10/28/2019  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 02/23/2018  
Date Made Active in Reports: 04/09/2018  
Number of Days to Update: 45

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 08/16/2019  
Next Scheduled EDR Contact: 12/02/2019  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/10/2019  
Next Scheduled EDR Contact: 09/23/2019  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

## Electric Power Transmission Line Data

Source: PennWell Corporation

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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

### **TARGET PROPERTY COORDINATES**

Latitude (North):	33.2115 - 33° 12' 41.40"
Longitude (West):	115.571588 - 115° 34' 17.72"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	633125.5
UTM Y (Meters):	3675451.5
Elevation:	218 ft. below sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5639770 NILAND, CA
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

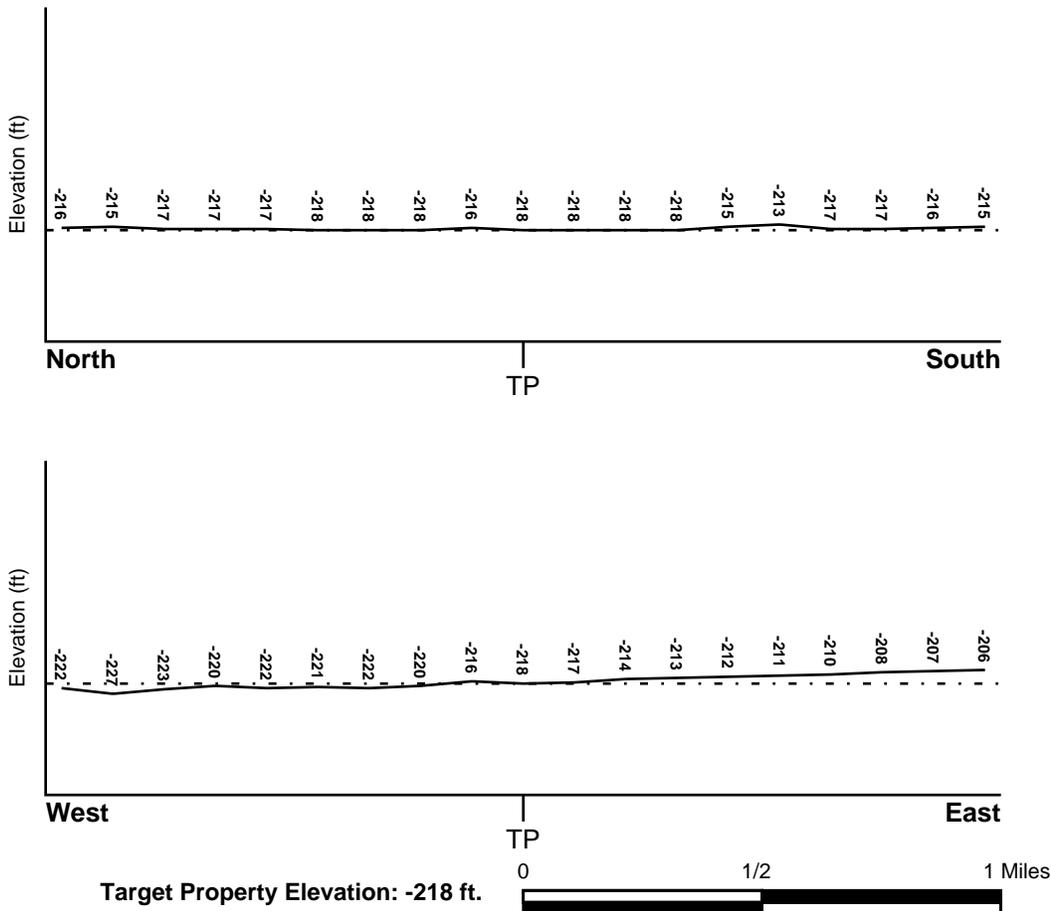
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
06025C0725C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NILAND	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### ***Site-Specific Hydrogeological Data\*:***

Search Radius:	1.25 miles
Status:	Not found

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

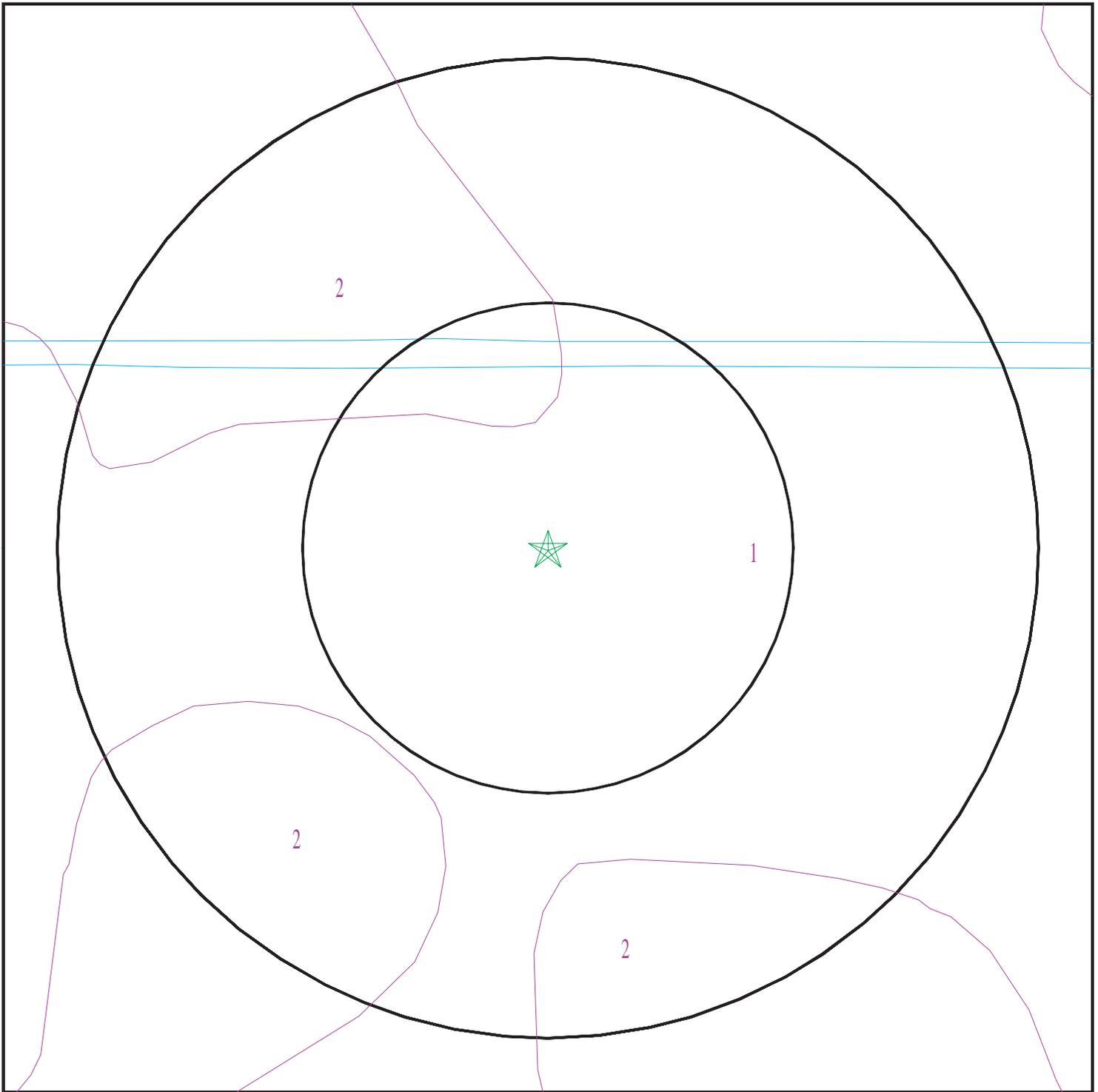
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

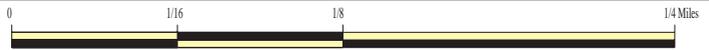
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5779291.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Hudson Ranch 1  
ADDRESS: 409 W McDonald Road  
          Niland CA 92257  
LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
CONTACT: Pete Labrucherie  
INQUIRY #: 5779291.2s  
DATE: September 05, 2019 8:28 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

#### Soil Map ID: 1

Soil Component Name: Imperial

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

#### Soil Map ID: 2

Soil Component Name: Imperial

Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 122 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	11 inches	59 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000130533	0 - 1/8 Mile NE
2	USGS40000130659	1/2 - 1 Mile NW
3	USGS40000130423	1/2 - 1 Mile SW
4	USGS40000130416	1/2 - 1 Mile SE

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>No PWS System Found</u>	<u></u>	<u></u>

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

## STATE DATABASE WELL INFORMATION

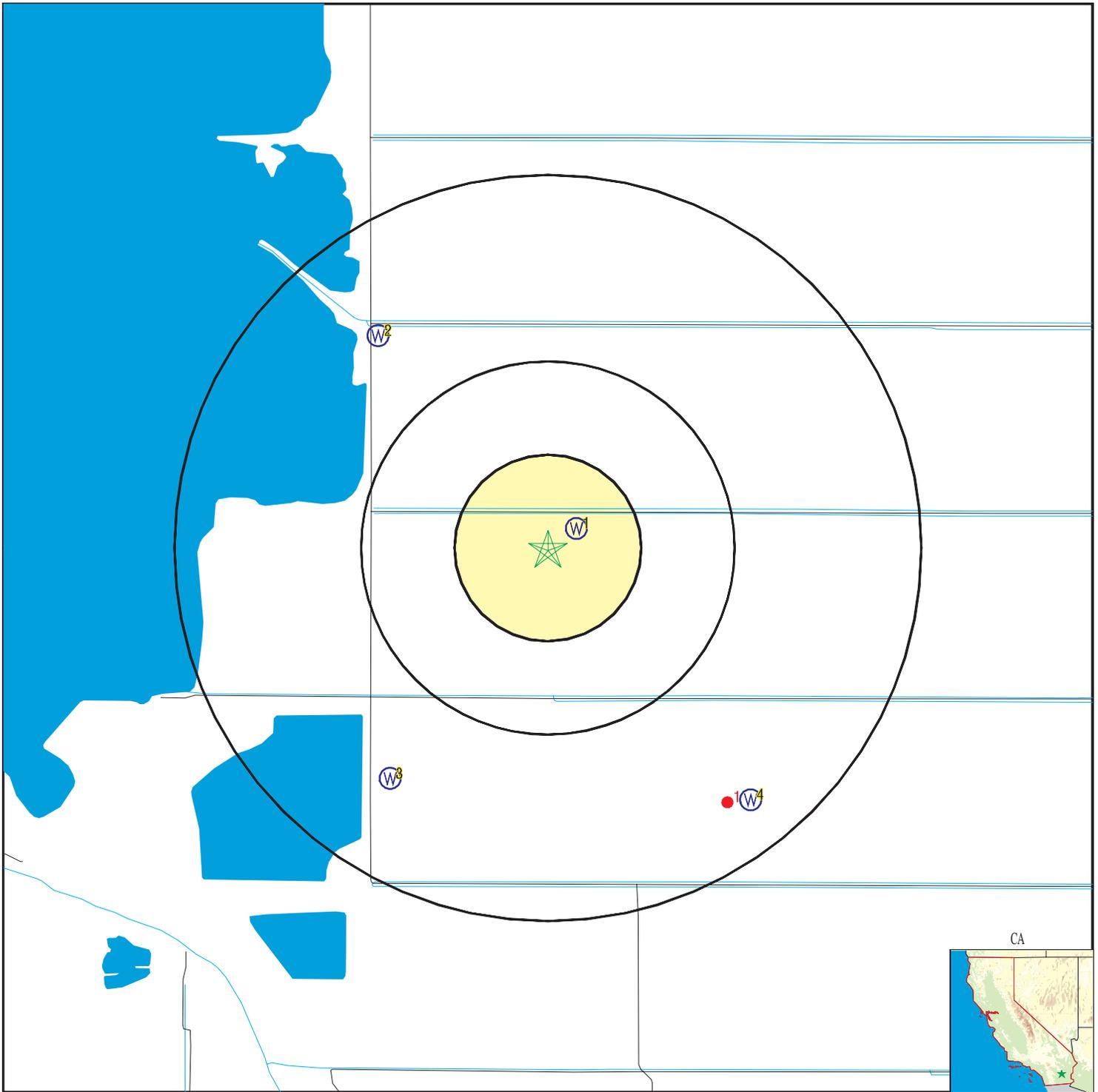
MAP ID	WELL ID	LOCATION FROM TP
<u>No Wells Found</u>	<u></u>	<u></u>

## OTHER STATE DATABASE INFORMATION

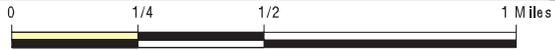
### STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
<u>1</u>	<u>CAOG13000005011</u>	<u>1/2 - 1 Mile SE</u>

# PHYSICAL SETTING SOURCE MAP - 5779291.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



No contour lines were detected within this map area.

SITE NAME: Hudson Ranch 1  
 ADDRESS: 409 W McDonald Road  
 Niland CA 92257  
 LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
 CONTACT: Pete Labrucherie  
 INQUIRY #: 5779291.2s  
 DATE: September 05, 2019 8:28 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NE**  
**0 - 1/8 Mile**  
**Higher** **FED USGS      USGS40000130533**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011S013E13K001S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**2**  
**NW**  
**1/2 - 1 Mile**  
**Lower** **FED USGS      USGS40000130659**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011S013E13D002S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**3**  
**SW**  
**1/2 - 1 Mile**  
**Lower** **FED USGS      USGS40000130423**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	011S013E24D001S	Type:	Well
Description:	Not Reported	HUC:	18100200
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

---

**1**  
**SE**  
**1/2 - 1 Mile**

**OIL\_GAS      CAOG13000005011**

API #:	0402500012	Well #:	1
Well Status:	Idle	Well Type:	OG
Operator Name:	J. P. Chandler & Lee Staton		
Lease Name:	Lease by J. P. Chandler & Lee Staton		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	SPUD Date:	07/15/1935

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for IMPERIAL County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
- : Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.
- : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for IMPERIAL COUNTY, CA

Number of sites tested: 2

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	1.450 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

### State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

#### California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

## OTHER STATE DATABASE INFORMATION

#### California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

#### California Earthquake Fault Lines

Source: California Division of Mines and Geology

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

### RADON

#### State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

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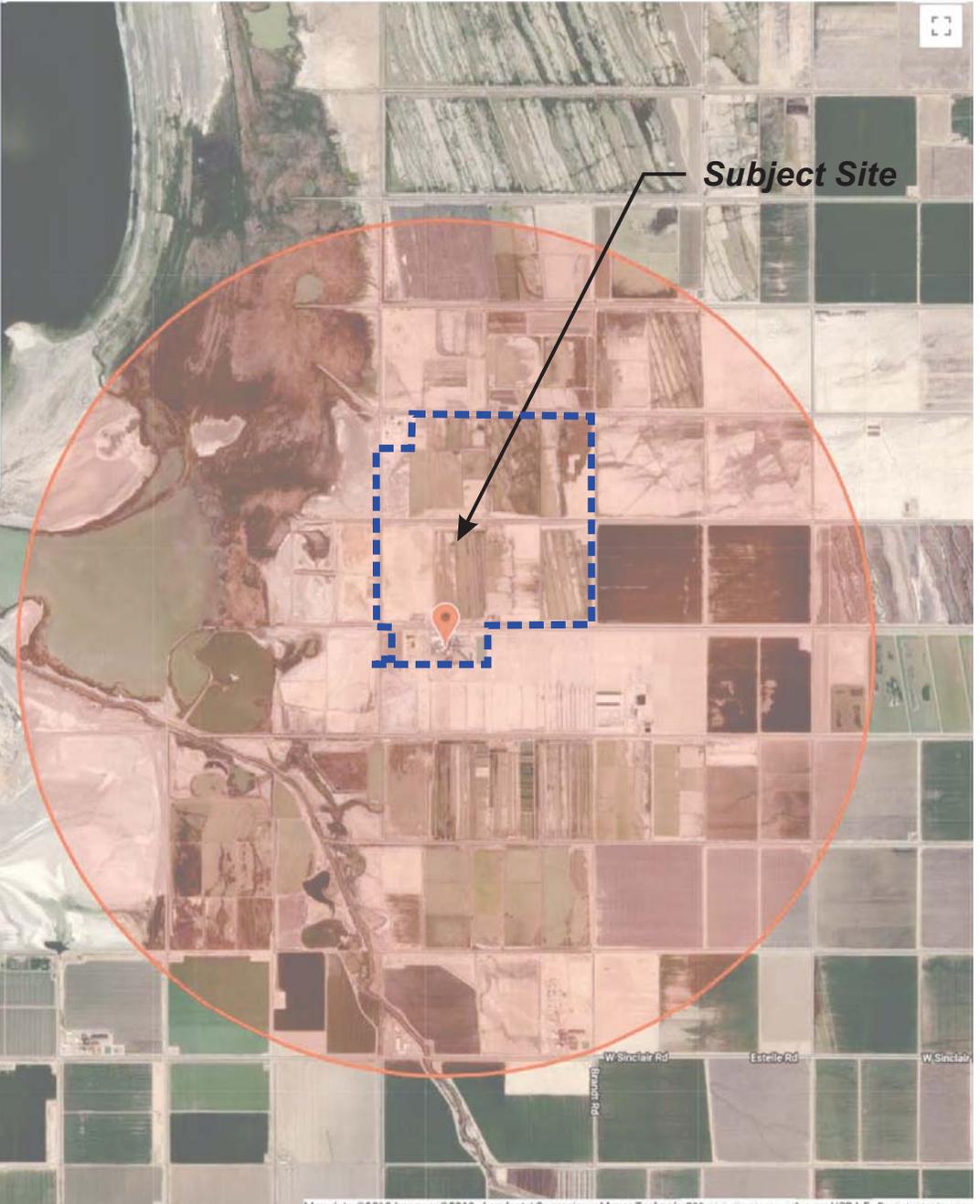
# APPENDIX G

# GEOTRACKER

409 W. McDonald Road, Calipatria, CA

Map Address

- Sites and Facilities - INFO
- Cleanup Sites
  - LUST Cleanup Sites
  - Cleanup Program Sites
  - Military Cleanup Sites
  - DTSC Cleanup Sites
- Permitted Facilities
  - Waste Discharge Requirements (WDR) Sites
  - Permitted USTs - INFO
  - DTSC Hazardous Waste Sites
  - Land Disposal Sites
  - Irrigated Lands Regulatory Program Sites
  - Oil / Gas Sites
  - Confined Animal Sites
- Other Sites
  - Project Sites
  - Non-Case Information Sites
  - Sampling Points - Public
  - Field Points
  - AGLand Domestic Wells
- SIGNIFIES A CLOSED SITE
- Tools
- Map Coverages
- [TAKE A TOUR](#)
- [VIEW ON GAMA](#)



Subject Site

Google

Map data ©2019 Imagery ©2019 Landsat / Copernicus Maxar Technolr 500m Survey USDA F. Report a map error

SITES FOUND IN SEARCH RADIUS	GLOBAL ID	FAC ID	STATUS	# SITES LISTED	ADDRESS	CITY	EXPORT THIS LIST TO EXCEL
------------------------------	-----------	--------	--------	----------------	---------	------	---------------------------

**GS Lyon**  
Project No.: GS1921

Geotracker Map

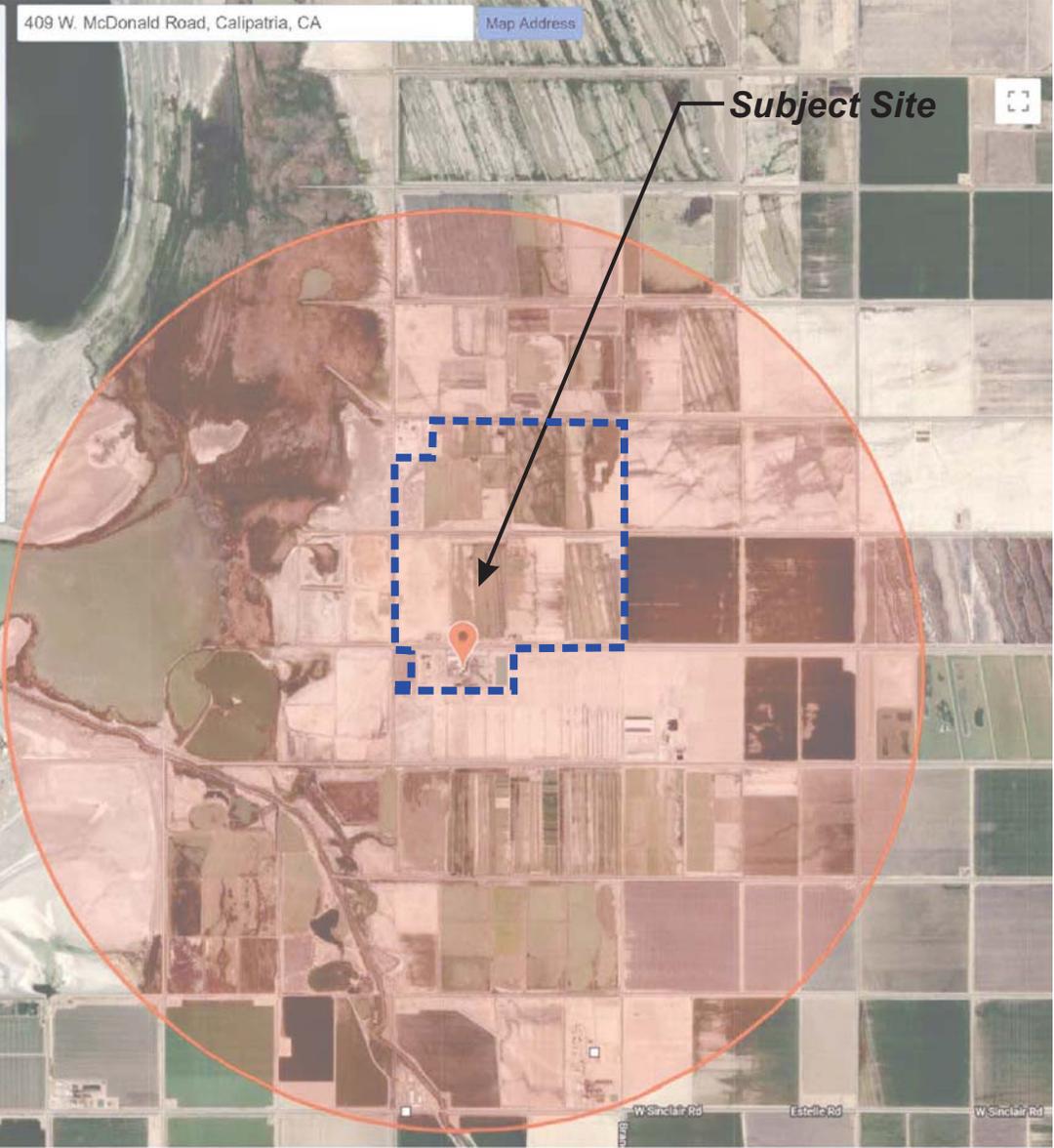
Plate  
20

# ENVIROSTOR

409 W. McDonald Road, Calipatria, CA

Map Address

- Sites and Facilities
  - Cleanup Sites
    - Federal Superfund
    - State Response
    - Voluntary Cleanup
    - School Cleanup
    - Evaluation
    - School Investigation
    - Military Evaluation
    - Tiered Permit
    - Corrective Action
  - STATUS
    - All Statuses
  - Permitted Sites
    - Operating
    - Post-Closure
    - Non-Operating
  - Other Sites
  - GIS Layers
- Tools
  - TAKE A TOUR
  - SHARE THIS MAP



Subject Site



Google

Map data ©2019 | Imagery ©2019 | Landsat / Copernicus, Maxar, TerraMetrics, 500 m / ©2019 | Survey, USDA F1 | Report a map error

SITES FOUND IN SEARCH RADIUS	STATUS	PROJECT TYPE	ADDRESS	CITY
2 SITES LISTED				
<a href="#">CALENERGY - CENTRAL SERVICES</a>	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	TIERED PERMIT	4801 W SINCLAIR RD	CALPATRIA
<a href="#">CALENERGY - LEATHERS FACILITY</a>	CERTIFIED O&M - LAND USE RESTRICTIONS ONLY	TIERED PERMIT	3421 W SINCLAIR RD	CALPATRIA

Project No.: GS1921

Envirostor Map

Plate  
21

**Hudson Ranch 1**

409 W McDonald Road

Niland, CA 92257

Inquiry Number: 5779291.2s

October 1, 2019

# EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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Executive Summary .....	ES1
Primary Map .....	2
Secondary Map .....	3
Map Findings .....	4
Record Sources and Currency .....	GR-1

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

<b>STANDARD ENVIRONMENTAL RECORDS</b>	<b>Default Area of Concern (Miles)*</b>	<b>property</b>	<b>1/10</b>	<b>&gt; 1/10</b>
Federal NPL site list	1.0	0	0	0
Federal Delisted NPL site list	1.0	0	0	0
Federal CERCLIS list	0.5	0	0	0
Federal CERCLIS NFRAP site list	0.5	0	0	0
Federal RCRA CORRACTS facilities list	1.0	0	0	0
Federal RCRA non-CORRACTS TSD facilities list	0.5	0	0	0
Federal RCRA generators list	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
State- and tribal - equivalent NPL	1.0	0	0	0
State- and tribal - equivalent CERCLIS	1.0	0	0	0
State and tribal landfill and/or solid waste disposal site lists	0.5	0	0	0
State and tribal leaking storage tank lists	0.5	0	0	0
State and tribal registered storage tank lists	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
State and tribal voluntary cleanup sites	0.5	0	0	0
State and tribal Brownfields sites	0.5	0	0	0

### ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	0	0

### EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

## EXECUTIVE SUMMARY

### EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

\*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

# EXECUTIVE SUMMARY

## TARGET PROPERTY INFORMATION

### ADDRESS

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

### COORDINATES

Latitude (North):	33.2115 - 33° 12' 41.393738"
Longitude (West):	115.571588 - 115° 34' 17.711792"
Elevation:	-218 ft. below sea level

# EXECUTIVE SUMMARY

## SEARCH RESULTS

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

## STANDARD ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

## ADDITIONAL ENVIRONMENTAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

## EDR HIGH RISK HISTORICAL RECORDS

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

## EDR RECOVERED GOVERNMENT ARCHIVES

<u>Name</u>	<u>Address</u>	<u>Dist/Dir</u>	<u>Map ID</u>	<u>Page</u>
Not Reported				

PRIMARY MAP - 5779291.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory
-  State Wetlands
-  Areas of Concern

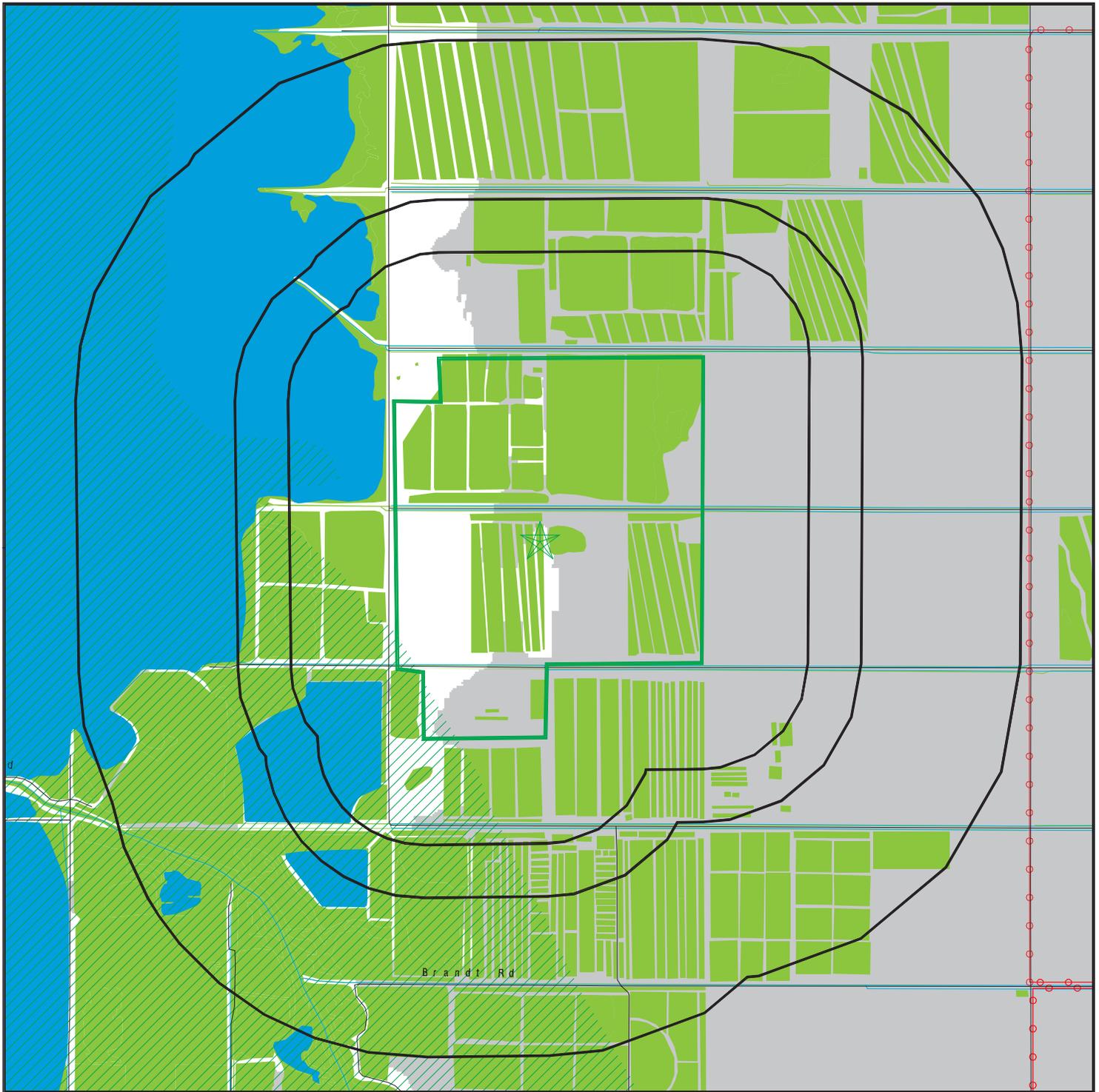


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Hudson Ranch 1  
 ADDRESS: 409 W McDonald Road  
 Niland CA 92257  
 LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
 CONTACT: Pete Labrucherie  
 INQUIRY #: 5779291.2s  
 DATE: September 05, 2019 8:25 pm

# SECONDARY MAP - 5779291.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern



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

SITE NAME: Hudson Ranch 1  
 ADDRESS: 409 W McDonald Road  
 Niland CA 92257  
 LAT/LONG: 33.2115 / 115.571588

CLIENT: GS Lyon Consultants  
 CONTACT: Pete Labrucherie  
 INQUIRY #: 5779291.2s  
 DATE: September 05, 2019 8:22 pm

MAP FINDINGS

**LEGEND**

<b>FACILITY NAME</b>		<b>FACILITY ADDRESS, CITY, ST, ZIP</b>		<b>EDR SITE ID NUMBER</b>
<b>◆ MAP ID#</b>	Direction	Distance Range	(Distance feet / miles)	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.
	Relative Elevation	Feet Above Sea Level		
<b>Worksheet:</b>				
<b>Comments:</b>				
Comments may be added on the online Vapor Encroachment Worksheet.				

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>ENVIRONMENTAL RECORDS</b>						
<b>Federal NPL site list</b>						
US	NPL	National Priority List	EPA	07/19/2019	07/30/2019	09/03/2019
US	Proposed NPL	Proposed National Priority List Sites	EPA	07/19/2019	07/30/2019	09/03/2019
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
<b>Federal CERCLIS list</b>						
US	SEMS	Superfund Enterprise Management System	EPA	07/19/2019	07/30/2019	09/03/2019
<b>Federal RCRA CORRACTS facilities list</b>						
US	CORRACTS	Corrective Action Report	EPA	03/25/2019	03/27/2019	04/17/2019
<b>Federal RCRA TSD facilities list</b>						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
<b>Federal RCRA generators list</b>						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generators	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
<b>Federal institutional controls / engineering controls registries</b>						
US	LUCIS	Land Use Control Information System	Department of the Navy	08/13/2019	08/20/2019	08/26/2019
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	08/19/2019	08/20/2019	08/26/2019
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	08/19/2019	08/20/2019	08/26/2019
<b>Federal ERNS list</b>						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/25/2019	03/26/2019	05/01/2019
<b>State and tribal - equivalent NPL</b>						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
<b>State and tribal - equivalent CERCLIS</b>						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
<b>State and tribal landfill / solid waste disposal</b>						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/13/2019	05/14/2019	07/17/2019
<b>State and tribal leaking storage tank lists</b>						
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	08/05/2019
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/17/2018	03/07/2019	05/01/2019
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/10/2018	03/08/2019	05/01/2019
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/16/2018	03/07/2019	05/01/2019
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/01/2018	03/07/2019	05/01/2019
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	09/24/2018	03/12/2019	05/01/2019
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/13/2018	03/07/2019	05/01/2019
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/12/2018	03/07/2019	05/01/2019
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	02/19/2019	03/07/2019	05/01/2019
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	08/05/2019
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
<b>State and tribal registered storage tank lists</b>						
CA	UST	Active UST Facilities	SWRCB	06/10/2019	06/11/2019	07/23/2019
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/10/2019	06/12/2019	07/23/2019
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	12/04/2018	12/06/2018	12/14/2018
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/03/2018	03/07/2019	05/01/2019
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/17/2018	03/07/2019	05/01/2019
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/10/2018	03/08/2019	05/01/2019
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/16/2018	03/07/2019	05/01/2019
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	11/07/2018	03/07/2019	05/01/2019
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	09/24/2018	03/12/2019	05/01/2019
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/12/2018	03/07/2019	05/01/2019
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/01/2018	03/07/2019	05/01/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	05/15/2017	05/30/2017	10/13/2017

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>State and tribal voluntary cleanup sites</b>						
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
<b>State and tribal Brownfields sites</b>						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	06/24/2019	06/25/2019	08/21/2019
<b>Other Records</b>						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	03/31/2019	04/23/2019	05/23/2019
US	ROD	Records Of Decision	EPA	07/19/2019	07/30/2019	09/03/2019
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/30/2019	07/30/2019	09/03/2019
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	06/11/2019	06/12/2019	08/15/2019
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	09/11/2018	09/12/2018	10/11/2018
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	07/19/2019	07/30/2019	09/03/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	05/24/2017	11/30/2017	12/15/2017
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2005	08/07/2009	10/22/2009
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	07/01/2014	09/10/2014	10/20/2014
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/25/2019	03/26/2019	05/07/2019
US	Delisted NPL	National Priority List Deletions	EPA	07/19/2019	07/30/2019	09/03/2019
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/19/2019	07/30/2019	09/03/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/25/2019	03/27/2019	04/17/2019
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/25/2019	03/26/2019	05/14/2019
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	04/01/2019	04/30/2019	08/08/2019
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/03/2019	06/04/2019	08/26/2019
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	12/31/2005	02/06/2006	01/11/2007
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	05/15/2019	05/21/2019	08/08/2019
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	06/23/2017	10/11/2017	11/03/2017
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/03/2019	05/29/2019	08/08/2019
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/11/2019	04/18/2019	05/23/2019
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2016	01/10/2018	01/12/2018
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	09/30/2018	04/24/2019	08/08/2019
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	03/20/2019	04/10/2019	05/14/2019
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	06/20/2019	06/20/2019	08/08/2019
US	RADINFO	Radiation Information Database	Environmental Protection Agency	04/02/2019	04/02/2019	05/14/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	05/03/2019	06/05/2019	09/03/2019
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/25/2019	05/02/2019	05/23/2019
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/27/2019	03/28/2019	05/01/2019
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2017	06/12/2018	08/06/2018
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	05/15/2019	06/24/2019	08/21/2019
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	06/24/2019	06/25/2019	08/21/2019
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	04/18/2019	04/19/2019	04/30/2019
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	05/01/2019	05/14/2019	07/17/2019
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	06/04/2019	06/04/2019	08/08/2019
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	06/04/2019	06/28/2019	08/22/2019
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	06/03/2019	06/04/2019	08/08/2019
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	03/19/2019	03/22/2019	04/09/2019
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2017	06/24/2019	08/22/2019
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	11/01/2018	11/02/2018	12/13/2018
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	04/22/2019	04/23/2019	06/26/2019
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	05/15/2019	05/16/2019	07/18/2019
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	03/26/2019	03/27/2019	04/30/2019
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2017	05/29/2019	07/22/2019
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/20/2019	05/21/2019	07/18/2019
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	04/08/2019	04/09/2019	05/30/2019
CA	ICE	ICE	Department of Toxic Substances Control	05/20/2019	05/21/2019	07/18/2019
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	06/10/2019	06/11/2019	08/05/2019
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	06/05/2019	06/06/2019	08/09/2019
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	MINES	Mines Site Location Listing	Department of Conservation	06/10/2019	06/11/2019	08/15/2019
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/17/2019	06/04/2019	08/09/2019

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/13/2019	05/14/2019	07/17/2019
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	06/04/2019	06/04/2019	08/09/2019
CA	PROC	Certified Processors Database	Department of Conservation	06/11/2019	06/12/2019	08/15/2019
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	06/17/2019	06/18/2019	08/22/2019
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/29/2019	04/30/2019	06/27/2019
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Department of Conservation	04/27/2018	06/13/2018	07/17/2018
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	05/08/2018	07/11/2018	09/13/2018
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	06/10/2019	06/11/2019	07/24/2019
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	08/14/2019	08/14/2019	08/21/2019
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	08/14/2019	08/14/2019	08/21/2019
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	08/14/2019	08/14/2019	08/21/2019
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	06/04/2019	06/04/2019	08/08/2019
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/31/2018	07/26/2018	10/05/2018
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	05/20/2019	05/21/2019	08/08/2019
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	06/11/2019	06/12/2019	08/15/2019
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	06/10/2019	06/11/2019	07/24/2019
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	04/07/2019	04/09/2019	05/23/2019
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	06/28/2019	06/28/2019	07/24/2019

### **HISTORICAL USE RECORDS**

US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
<b>COUNTY RECORDS</b>						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	04/10/2019	04/11/2019	06/20/2019
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	06/27/2019	06/28/2019	07/24/2019
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	05/01/2019	05/02/2019	05/29/2019
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	05/17/2019	05/21/2019	07/18/2019
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	05/22/2019	05/23/2019	07/18/2019
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	02/20/2019	05/01/2019	05/30/2019
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	06/05/2019	06/06/2019	07/23/2019
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	04/10/2019	04/11/2019	04/30/2019
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	12/11/2018	12/13/2018	01/15/2019
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	04/24/2019	04/25/2019	06/27/2019
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	05/06/2019	05/07/2019	07/16/2019
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	05/16/2019	05/17/2019	05/30/2019
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	05/30/2019	05/31/2019	07/23/2019
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	01/17/2019	01/18/2019	03/05/2019
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	05/13/2019	05/16/2019	07/18/2019
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	04/15/2019	04/16/2019	06/21/2019
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	01/01/2019	01/15/2019	03/07/2019
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	04/30/2012	04/17/2019	05/29/2019
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	07/15/2019	07/17/2019	08/05/2019
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	04/04/2019	04/23/2019	06/27/2019
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	05/28/2019	05/30/2019	08/05/2019
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	05/29/2019	05/30/2019	07/22/2019
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	05/23/2019	05/30/2019	07/22/2019
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	02/05/2019	02/07/2019	03/05/2019
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	02/21/2019	02/22/2019	03/08/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	05/20/2019	05/21/2019	05/30/2019
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	05/01/2019	05/09/2019	05/30/2019
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	05/01/2019	05/09/2019	05/30/2019
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	04/02/2019	05/07/2019	07/16/2019
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	06/03/2019	06/04/2019	08/12/2019
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	04/11/2019	04/12/2019	04/30/2019
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	04/11/2019	04/12/2019	06/20/2019

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	05/06/2019	06/28/2019	08/22/2019
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	02/06/2019	04/02/2019	06/20/2019
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	03/11/2019	03/13/2019	04/30/2019
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	05/31/2019	05/31/2019	07/22/2019
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	06/04/2019	06/04/2019	08/08/2019
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	04/18/2018	04/24/2018	06/19/2018
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	04/24/2019	04/25/2019	06/27/2019
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	LUST SAN FRANCISCO	Local Oversight Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	11/05/2018	11/06/2018	12/14/2018
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	05/20/2019	05/21/2019	07/18/2019
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	08/06/2019	08/14/2019	08/15/2019
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	05/16/2019	05/23/2019	07/18/2019
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	05/19/2019	05/23/2019	07/22/2019
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Managemen	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	07/23/2019
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	06/18/2019	06/25/2019	07/24/2019
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	04/03/2019	04/11/2019	04/30/2019
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	12/11/2018	12/13/2018	01/15/2019
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	06/03/2019	06/04/2019	07/23/2019
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	05/20/2019	05/21/2019	07/18/2019
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	04/24/2019	04/25/2019	06/28/2019
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	05/09/2019	05/10/2019	07/17/2019
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	03/26/2019	04/25/2019	06/27/2019
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	03/26/2019	04/25/2019	05/30/2019
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	06/10/2019	06/12/2019	07/24/2019
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	06/26/2019	06/28/2019	07/31/2019
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	05/03/2019	05/07/2019	07/16/2019

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
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### STREET AND ADDRESS INFORMATION

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# APPENDIX H

**Hudson Ranch 1**

409 W McDonald Road  
Niland, CA 92257

Inquiry Number: 5779291.5  
September 06, 2019

# The EDR-City Directory Image Report

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### SECTION

Executive Summary

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City Directory Images

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

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
2005	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
2000	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1995	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1990	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

## FINDINGS

### TARGET PROPERTY STREET

409 W McDonald Road  
Niland, CA 92257

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### W MCDONALD ST

2014	pg A1	EDR Digital Archive	
2010	-	Haines Criss-Cross Directory	Street not listed in Source
2005	-	Haines Criss-Cross Directory	Street not listed in Source
2000	-	Haines Criss-Cross Directory	Street not listed in Source
1995	-	Haines Criss-Cross Directory	Street not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

**W MCDONALD ST 2014**

409 HUDSON RANCH POWER I LLC

5 DD9 B8 ± ' =

**HUDSON RANCH 1**  
409 W MCDONALD ROAD  
NILAND, CA 92257

**Inquiry Number: 5779291.7S**  
SEPTEMBER 8, 2019

## EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



## EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

**Thank you for your business.**

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EDR Environmental Lien and AUL Search

### TARGET PROPERTY INFORMATION

#### ADDRESS

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

#### RESEARCH SOURCE

Source 1: IMPERIAL COUNTY RECORDER'S OFFICE  
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

### PROPERTY INFORMATION

#### **Deed 1**

Type of Deed: GRANT DEED  
Title is vested in: ROGER J LAWRENCE AND JOYCE L LAWRENCE  
Title received from: PAMELA J LAWRENCE  
Date Executed: 02/11/2013  
Date Recorded: 02/13/2013  
Book: NA  
Page: NA  
Volume: NA  
Instrument#: 2013003559  
Docket: NA  
Land Record Comments: NA  
Miscellaneous Comments: NA

**Legal Description:** AS RECORDED IN THE DEED ATTACHED.

**Current Owner:** ROGER J LAWRENCE AND JOYCE L LAWRENCE

**Property Identifiers:** 020-010-032-000

**Comments:** NA

## EDR Environmental Lien and AUL Search

### **ENVIRONMENTAL LIEN**

Environmental Lien:            Found             Not Found

If Found:

1st Party:            NA  
2<sup>nd</sup> Party:            NA  
Dated:                NA  
Recorded:            NA  
Book:                 NA  
Page:                 NA  
Docket:               NA  
Volume:               NA  
Instrument #:        NA  
Comments:            NA  
Miscellaneous:      NA

### **OTHER ACTIVITY AND USE LIMITATIONS (AULS)**

Other AUL's:                Found             Not Found

If Found:

1st Party:            NA  
2<sup>nd</sup> Party:            NA  
Dated:                NA  
Recorded:            NA  
Book:                 NA  
Page:                 NA  
Docket:               NA  
Volume:               NA  
Instrument #:        NA  
Comments:            NA  
Miscellaneous:      NA

## EDR Environmental Lien and AUL Search

### **MISCELLANEOUS**

Type of Instrument: NONE IDENTIFIED

First Party:

Second Party:

Date Executed:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

**EDR Environmental Lien and AUL Search**

**DEED EXHIBIT**

RECORDING REQUESTED BY  
EWING JOHNSON & GRAVES

Recorded in Official Records, IMPERIAL COUNTY

02/13/2013  
03 54 PM  
IsabelVargas

**CHUCK STOREY**  
COUNTY CLERK/RECORDER

WHEN RECORDED RETURN TO  
Roger J Lawrence  
28571 Rd P  
Dolores, CO 81323  
APN 020-010-032-000

P Public

Doc# **2013003559**



\* \$ R 0 0 0 0 0 3 5 9 5 6 \$ \*

Titles	1	Pages	2
Fees		28	00
Taxes		5	50
Other		0	00
PAID		33	50

### GRANT DEED

The Undersigned Grantor(s) Declare(s) DOCUMENTARY TRANSFER TAX \$ 5 50 , CITY TRANSFER TAX \$0 00,

- computed on the consideration or full value of property conveyed, OR
- computed on the consideration or full value less value of liens and/or encumbrances remaining at time of sale,
- unincorporated area,  City of \_\_\_\_\_, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

Pamela J Lawrence

hereby GRANTS to

Roger J Lawrence and Joyce L Lawrence, husband and wife as joint tenants

the following described property in the County of IMPERIAL, State of **California**

All oil, gas, minerals, precious metals, other hydro carbon substances and natural steam and steam power therefrom, in, on and under the following described property

The Northwest Quarter of Section 13, Township 11 South, Range 13 East, S B M , in an unincorporated area of the County of Imperial, State of California, according to the Official Plat thereof

Excepting therefrom the Northwest Quarter of the Northwest Quarter of the Northwest Quarter

Dated: 2/11/13

Pamela J. Lawrence  
Pamela J. Lawrence

\_\_\_\_\_

Mail Tax Statements To SAME AS ABOVE

2  
cc  
SM

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

State of California

SAN BERNARDINO }

County of \_\_\_\_\_

On 2/11/13 before me, CATIE SIEGNER, NOTARY PUBLIC

Date

Here Insert Name and Title of the Officer

personally appeared Pamela J. Lawrence

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct

WITNESS my hand and official seal.

Signature

Catie Siegner

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document

Description of Attached Document

Title or Type of Document Grant Deed

Document Date 2/11/13

Number of Pages \_\_\_\_\_

Signer(s) Other Than Named Above \_\_\_\_\_

Capacity(ies) Claimed by Signer(s)

Signer's Name \_\_\_\_\_

Signer's Name \_\_\_\_\_

- Corporate Officer -- Title(s)
Individual
Partner -- Limited General
Attorney in Fact
Trustee
Guardian or Conservator
Other

- Corporate Officer -- Title(s)
Individual
Partner -- Limited General
Attorney in Fact
Trustee
Guardian or Conservator
Other

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

Signer Is Representing \_\_\_\_\_

Signer Is Representing \_\_\_\_\_

**HUDSON RANCH 1**  
409 W MCDONALD ROAD  
NILAND, CA 92257

**Inquiry Number: 5779291.7S**  
SEPTEMBER 8, 2019

## EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



## EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

**Thank you for your business.**

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# EDR Environmental Lien and AUL Search

## TARGET PROPERTY INFORMATION

### ADDRESS

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

### RESEARCH SOURCE

Source 1: IMPERIAL COUNTY RECORDER'S OFFICE  
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

### PROPERTY INFORMATION

#### **Deed 1**

Type of Deed: WARRANTY DEED  
Title is vested in: FREEPORT-MCMORAN RESOURCES PARTNERS LIMITED PARTNERSHIP  
Title received from: KENNECOTT EXPLORATION (AUSTRALIA), LTD  
Date Executed: 06/29/1988  
Date Recorded: 06/29/1988  
Book: 1606  
Page: 1151  
Volume: NA  
Instrument#: 88-10880  
Docket: NA  
Land Record Comments: NA  
Miscellaneous Comments: NA

**Legal Description:** AS RECORDED IN THE DEED ATTACHED.

**Current Owner:** FREEPORT-MCMORAN RESOURCES PARTNERS LIMITED PARTNERSHIP

**Property Identifiers:** 020-010-034-000

**Comments:** NA

## EDR Environmental Lien and AUL Search

### **ENVIRONMENTAL LIEN**

Environmental Lien:          Found             Not Found  

If Found:

1st Party:                  NA  
2<sup>nd</sup> Party:                 NA  
Dated:                      NA  
Recorded:                 NA  
Book:                        NA  
Page:                        NA  
Docket:                    NA  
Volume:                    NA  
Instrument #:             NA  
Comments:                NA  
Miscellaneous:         NA

### **OTHER ACTIVITY AND USE LIMITATIONS (AULS)**

Other AUL's:                 Found             Not Found  

If Found:

1st Party:                  NA  
2<sup>nd</sup> Party:                 NA  
Dated:                      NA  
Recorded:                 NA  
Book:                        NA  
Page:                        NA  
Docket:                    NA  
Volume:                    NA  
Instrument #:             NA  
Comments:                NA  
Miscellaneous:         NA

## EDR Environmental Lien and AUL Search

### **MISCELLANEOUS**

Type of Instrument: NONE IDENTIFIED

First Party:

Second Party:

Date Executed:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

**EDR Environmental Lien and AUL Search**

**DEED EXHIBIT**

RECORDING REQUESTED BY CHICAGO TITLE COMPANY  
MORRISON & FOERSTER  
345 California Street  
San Francisco, California  
94104-2105  
ATTN: John Campbell

88-10880

BOOK 1606 PAGE 1151

IMPERIAL COUNTY RECORDER

JUL 1 9 45 AM '88

OFFICIAL RECORDS  
IMPERIAL COUNTY, CALIF.

BOOK 1606 PAGE 1151

REG	\$ 5
RIF	\$ 3
MC	\$ 1
NR	\$ -
TOTAL	\$ 9

DOCUMENTS ATTACHED TO THIS DEED  
 GUARANTY OF FULL TITLE OF PROPERTY CONVEYED, OR  
 GUARANTY OF FULL TITLE OF PROPERTY & ENCUMBRANCES  
REMAINING UNPAID AT TIME OF SALE.  
*J. K. Morrison & Foerster, Chicago Title*  
Signature of Recorder or Agent determining tax - Firm Name

UNINCORPORATED

SPECIAL WARRANTY DEED

FOR A VALUABLE CONSIDERATION, receipt and sufficiency of which is hereby acknowledged, KENNECOTT EXPLORATION (AUSTRALIA), LTD., a Delaware corporation [as successor in interest to Kennecott Mining Corporation, as successor in interest to Kennecott Corporation, as successor in interest to Bear Creek Mining Company] ("Grantor"), hereby GRANTS to FREEPORT-MCMORAN RESOURCES PARTNERS LIMITED PARTNERSHIP, a Delaware limited partnership ("Grantee"), all of its right, title and interest in that certain real property located in the County of Imperial, State of California, as more particularly described in Exhibit A hereto (the "Property") EXCLUDING AND EXCEPTING therefrom all of the oil, gas, hot water, steam, steam power, thermal energy and other minerals heretofore excepted therefrom in deed to Grantor recorded September 1, 1981 in book 1474, page 321 of Official Records, in the office of the Recorder of Imperial County.

This transfer of the Property is made expressly subject to all matters of record in the office of the Recorder of Imperial County, California and is made by Grantor without warranty of title (express or implied) except that Grantor specially warrants that it has not heretofore conveyed the Property herein granted.

IN WITNESS WHEREOF, the undersigned has executed this Special Warranty Deed as of JUNE 29, 1988.

KENNECOTT EXPLORATION (AUSTRALIA), LTD., a Delaware corporation, [as successor in interest to Kennecott Mining Corporation, as successor in interest to Kennecott Corporation, as successor in interest to Bear Creek Mining Company]

Mail Taxes to:

FREEPORT MCMORAN RESOURCE  
1160 N. DUTTON, SUITE 200  
SANTA ROSA, CA. 95401

By *M. J. ...* *208*  
Its *Sr. Vice President*

STATE OF Utah )  
COUNTY OF Salt Lake ) ss

On this 29th day of June, 1988, before the undersigned, a Notary Public in and for said State of Utah, personally appeared W.F. JONES, personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the S.V.P. of Kennecott Exploration (Australia), Ltd., a Delaware corporation, and acknowledged to me that the corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors, and further acknowledged to me that the corporation executed the within instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year last above written.

Samia H. Brudell  
Notary Public

EXHIBIT A

The following-described real property in County of Imperial,  
State of California:

- Parcel 1: The South half, and the Northeast quarter of  
Section 13, Township 11 South, Range 13 East,  
S. B. M.  
APN 020-010-35-01.  
APN 020-010-34-01.
- Parcel 2: The South half, and the Northeast quarter of  
Section 7, Township 11 South, Range 14 East,  
S. B. M.  
APN 021-200-11-01.
- Parcel 3: The Northeast quarter of Section 18, Township  
11 South, Range 14 East, S. B. M.  
APN 021-300-02-01.
- Parcel 4: The East half of the Northwest quarter of  
Section 18, Township 11 South, Range 14 East,  
S. B. M.  
APN 021-300-01-01.
- Parcel 5: Lots 3 and 4, in Section 18, Township 11 South,  
Range 14 East, S. B. M.  
APN 021-300-01-01.

**HUDSON RANCH 1**  
409 W MCDONALD ROAD  
NILAND, CA 92257

**Inquiry Number: 5779291.7S**  
SEPTEMBER 8, 2019

## EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



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The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

**Thank you for your business.**

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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# EDR Environmental Lien and AUL Search

## TARGET PROPERTY INFORMATION

### ADDRESS

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

### RESEARCH SOURCE

Source 1: IMPERIAL COUNTY RECORDER'S OFFICE  
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

### PROPERTY INFORMATION

#### **Deed 1**

Type of Deed: GRANT DEED  
Title is vested in: HUDSON RANCH POWER I LLC  
Title received from: RIVER RANCH INC  
Date Executed: 12/29/2009  
Date Recorded: 12/29/2009  
Book: NA  
Page: NA  
Volume: NA  
Instrument#: 2009-036047  
Docket: NA  
Land Record Comments: NA  
Miscellaneous Comments: NA

**Legal Description:** AS RECORDED IN THE DEED ATTACHED.

**Current Owner:** HUDSON RANCH POWER I LLC

**Property Identifiers:** 020-100-044-000

**Comments:** NA

## EDR Environmental Lien and AUL Search

### **ENVIRONMENTAL LIEN**

Environmental Lien:          Found             Not Found  

If Found:

1st Party:                  NA  
2<sup>nd</sup> Party:                 NA  
Dated:                      NA  
Recorded:                 NA  
Book:                        NA  
Page:                        NA  
Docket:                    NA  
Volume:                    NA  
Instrument #:             NA  
Comments:                NA  
Miscellaneous:         NA

### **OTHER ACTIVITY AND USE LIMITATIONS (AULS)**

Other AUL's:                Found             Not Found  

If Found:

1st Party:                  NA  
2<sup>nd</sup> Party:                 NA  
Dated:                      NA  
Recorded:                 NA  
Book:                        NA  
Page:                        NA  
Docket:                    NA  
Volume:                    NA  
Instrument #:             NA  
Comments:                NA  
Miscellaneous:         NA

## EDR Environmental Lien and AUL Search

### **MISCELLANEOUS**

Type of Instrument: NONE IDENTIFIED

First Party:

Second Party:

Date Executed:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

**EDR Environmental Lien and AUL Search**

**DEED EXHIBIT**

**RECORDING REQUESTED BY  
CHICAGO TITLE COMPANY**

Recorded in Official Records, Imperial County

12/29/2009  
9:00 AM  
IV

**Dolores Provencio**  
County Clerk / Recorder

CT Chicago Title

RECORDING REQUESTED BY AND  
WHEN RECORDED RETURN TO:

Winston & Strawn LLP  
101 California Street  
Suite 3900  
San Francisco, CA 94111-5894  
Attn: Dirk Mueller, Esq.

Doc#: 2009 - 036047

Titles: 1 Pages: 4



Fees 16.00  
Taxes \*\* Conf \*\*  
Other 0.00  
PAID \$16.00

Mail tax statements to:

Hudson Ranch Power I  
c/o Hannon Armstrong  
1997 Annapolis Exchange Parkway  
Suite 520  
Annapolis MD 21401  
Attn: Dave Watson, CFO

APN: 020-100-026

(SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE)

**The undersigned hereby declares that transfer tax is  
shown on separate statement.**

**GRANT DEED**

This Grant Deed is made effective as of December 24, 2009, by RIVER RANCH INC., a California corporation, ("Grantor"), in favor of HUDSON RANCH POWER I LLC, a Delaware limited liability company ("Grantee").

WHEREAS, Grantor and Grantee (as successor in interest to Char, LLC, a Delaware limited liability company) are parties to that certain CHAR-OWNER Purchase Option Agreement ("**Purchase Option Agreement**"), dated June 29, 2007, a memorandum of Purchase Option Agreement, dated June 29, 2007 was recorded on November 29, 2007, as Instrument No. 2007-44392, and an Assignment of Option Interest, dated November 30, 2007 was recorded on December 7, 2007 as Instrument No. 07-45333 in the Official records of Imperial County, California.

WHEREAS, pursuant to the terms of the Purchase Option Agreement, Grantor granted to Grantee an option ("**Option**") to purchase from Grantor that certain real property located in the County of Imperial, State of California, described in Exhibit A attached hereto ("**Property**") and Grantee has exercised such Option to purchase the Property pursuant to the Purchase Option Agreement.

NOW, THEREFORE, for valuable consideration, receipt of which is acknowledged, Grantor hereby grants to Grantee all of Grantor's ownership interest in and to the Property.

[Grant Deed]

Error! Unknown document property name.

**MAIL TAX STATEMENT AS DIRECTED ABOVE**

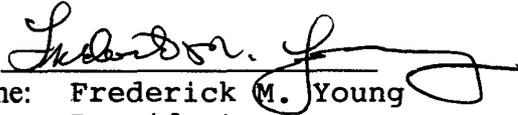
4  
DT

Excepting therefrom all minerals, gases and hydrocarbon substances lying in or under said land, including without limitation all geothermal resources, as reserved by Grantor, including all rights to use the surface of the described Property as are implied by law on the date of recordation of this Grant Deed to the extent appurtenant to such mineral, gas, hydrocarbon and geothermal exception and reservation.

IN WITNESS WHEREOF, Grantor has executed this Grant Deed as of the date set forth below.

Dated as of: December 11, 2009

**River Ranch Inc.,**  
a California corporation

By:   
Name: Frederick M. Young  
Its: President

State of California )  
 )  
County of [Click and Type County] )

On [Click and Type Date] before me, [Click and Type Your Name], personally appeared [Click and Type Subscriber Name], who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

\_\_\_\_\_  
Signature of Notary Public

(Seal)

-- See attached Acknowledgment --

[Grant Deed]

Error! Unknown document property name.

## ACKNOWLEDGMENT

State of California )  
County of Imperial )

On December 11, 2009, before me, Donna Speer, Notary Public, personally appeared **FREDERICK M. YOUNG**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the same.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_

*Donna Speer*



Exhibit "A"  
LEGAL DESCRIPTION

Parcel 1 of Parcel Map No. 02427, in the County of Imperial, State of California, as per map recorded in Book 13, Page 344 of Parcel Maps in the Office of the County Recorder of Said County.

[Grant Deed]

Error! Unknown document property name.

**HUDSON RANCH 1**  
409 W MCDONALD ROAD  
NILAND, CA 92257

**Inquiry Number: 5779291.7S**  
SEPTEMBER 8, 2019

## EDR Environmental Lien and AUL Search

6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
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- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
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# EDR Environmental Lien and AUL Search

## TARGET PROPERTY INFORMATION

### ADDRESS

HUDSON RANCH 1  
409 W MCDONALD ROAD  
NILAND, CA 92257

### RESEARCH SOURCE

Source 1: IMPERIAL COUNTY RECORDER'S OFFICE  
Source 2: CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
Source 3: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

### PROPERTY INFORMATION

#### **Deed 1**

Type of Deed: GRANT DEED  
Title is vested in: MAGMA POWER COMPANY  
Title received from: FREEPORT-MCMORAN RESOURCE PARTNERS, LIMITED PARTNERSHIP  
Date Executed: 10/15/1993  
Date Recorded: 04/19/1994  
Book: 1767  
Page: 972  
Volume: NA  
Instrument#: 94009376  
Docket: NA  
Land Record Comments: NA  
Miscellaneous Comments: NA

**Legal Description:** AS RECORDED IN THE DEED ATTACHED.

**Current Owner:** MAGMA POWER COMPANY

**Property Identifiers:** 020-010-035-000

**Comments:** NA

## EDR Environmental Lien and AUL Search

### **ENVIRONMENTAL LIEN**

Environmental Lien: Found  Not Found

If Found:

1st Party: NA  
2<sup>nd</sup> Party: NA  
Dated: NA  
Recorded: NA  
Book: NA  
Page: NA  
Docket: NA  
Volume: NA  
Instrument #: NA  
Comments: NA  
Miscellaneous: NA

### **OTHER ACTIVITY AND USE LIMITATIONS (AULS)**

Other AUL's: Found  Not Found

If Found:

1st Party: NA  
2<sup>nd</sup> Party: NA  
Dated: NA  
Recorded: NA  
Book: NA  
Page: NA  
Docket: NA  
Volume: NA  
Instrument #: NA  
Comments: NA  
Miscellaneous: NA

## EDR Environmental Lien and AUL Search

### **MISCELLANEOUS**

Type of Instrument: NONE IDENTIFIED

First Party:

Second Party:

Date Executed:

Date Recorded:

Instrument #:

Book:

Page:

Comments:

**EDR Environmental Lien and AUL Search**

**DEED EXHIBIT**

94009376

BOOK 1767 PAGE 972

Recording Requested By and  
When Recorded Mail To:

MAGMA POWER COMPANY  
c/o Latham & Watkins  
701 "B" Street, Suite 2100  
San Diego, California 92101  
Attn: Joseph A. Bevash, Esq.

DOLORES PROVENCIO

COUNTY RECORDER

BOOK 1767 PAGE 972

'94 APR 19 PM 2 31

OFFICIAL RECORDS  
IMPERIAL COUNTY, CA

512+1

REG	\$ 8
RF	\$ 3
MC	\$ 1
REL	\$
TOTAL	12

GRANT DEED

This Deed, made effective as of the 15th day of October, 1993, is made by FREEPORT-MCMORAN RESOURCE PARTNERS, LIMITED PARTNERSHIP, a Delaware limited partnership ("Grantor") to MAGMA POWER COMPANY, a Nevada corporation ("Grantee"), whose address is 4365 Executive Drive, Suite 900, San Diego, California 92121, pursuant to that certain Purchase and Sale Agreement entered between Grantor and Grantee dated October 1, 1993.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, Grantor hereby grants to Grantee all of its right, title and interest in and to the real property described in Exhibit "1" attached to and incorporated in this Grant Deed.

IN WITNESS WHEREOF, GRANTOR has caused its corporate name to be affixed hereto and this Grant Deed to be duly executed by its authorized officers on the date first written above.

FREEPORT-MCMORAN RESOURCE PARTNERS,  
LIMITED PARTNERSHIP,  
a Delaware limited partnership

By: FREEPORT-MCMORAN INC., a Delaware corporation,  
its Administrative Managing General Partner

By: [Signature]  
Its: Senior Vice President

DOCUMENTARY TRANSFER TAX \$ 994.95  
 COMPUTED ON FULL VALUE OF PROPERTY CONVEYED, OR  
 COMPUTED ON FULL VALUE LESS LIENS & ENCUMBRANCES  
REMAINING THEREON AT TIME OF SALE

[Signature]  
Signature of Declarant or Agent determining tax - Firm Name

UNINCORPORATED

MAGMA\FREEPORT\PURCH.5

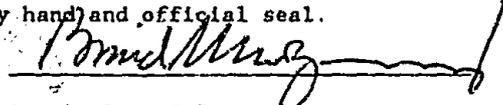
**ACKNOWLEDGEMENT**

STATE OF LOUISIANA )  
 ) ss.  
PARISH OF ORLEANS )

On OCTOBER 15, 1993, before me  
BRAINERD S. MONTGOMERY personally appeared  
CHARLES W. GOODYEN, SR. VICE PRESIDENT, FREEPORT-MCMORAN, INC.  
personally known to me (or proved to me on the basis of satisfactory evidence)  
to be the person(s) whose name(s) is/are subscribed to the within instrument and  
acknowledged to me that he/she/they executed the same in his/her/their authorized  
capacity(ies), and that by his/her/their signature(s) on the instrument the  
person(s) or the entity upon behalf of which the person(s) acted, executed the  
instrument.

WITNESS my hand and official seal.

Signature



My Commission is Issued for Life

**BRAINERD S. MONTGOMERY**

Embossed hereon is my Orleans Parish,  
State of La. Notary Public Seal  
My Commission is issued for life

**EXHIBIT "1"**  
**to**  
**GRANT DEED**

**Description of Real Property**

Attached to and hereby made a part of that certain Grant Deed dated October 15, 1993, between Freeport-McMoRan Resource Partners, Limited Partnership to Magma Power Company.

**HUDSON RANCH, CA 4001-003**

Property commonly known as Hudson Ranch and more particularly described as follows:

- |                            |   |
|----------------------------|---|
| Parcel 1:<br>020-010-35-01 | The South half, and the Northeast quarter of Section 13, Township 11 South, Range 13 East, S.B.M. |
| Parcel 2:<br>020-200-11-01 | The South half, and the Northeast quarter of Section 7, Township 11 South, Range 14 East, S.B.M.  |
| Parcel 3:<br>021-300-02-01 | The Northeast quarter of Section 18, Township 11 South, Range 14 East, S.B.M.                     |
| Parcel 4:<br>021-300-01-01 | The East half of Northwest quarter of Section 18, Township 11 South, Range 14 East, S.B.M.        |
| Parcel 5:<br>021-300-01-01 | Lots 3 and 4, in Section 18, Township 11 South, Range 14 East, S.B.M.                             |

Conveyed to Freeport-McMoRan Resource Partners, Limited Partnership, a Delaware limited partnership, by Special Warranty Deed dated June 29, 1988, recorded as Document No. 88-10820, in Book 1606 at Page 1151, Official Records, Imperial County, California.

5 DD9 B8 4 >

# Groundwater Monitoring Report – May 2019

## Hudson Ranch 1 Geothermal Plant – Brine Pond 409 West McDonald Road Calipatria, CA

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Prepared for:

**Hudson Ranch 1 Power**  
409 W. McDonald Road  
Calipatria, CA 92233



Prepared by:

**Landmark Consultants, Inc.**  
780 N. 4<sup>th</sup> Street  
El Centro, CA 92243  
(760) 370-3000

**May 2019**



780 N. 4th Street  
El Centro, CA 92243  
(760) 370-3000  
(760) 337-8900 fax

77-948 Wildcat Drive  
Palm Desert, CA 92211  
(760) 360-0665  
(760) 360-0521 fax

May 8, 2019

Ms. Maricruz Leon  
Hudson Ranch Power 1, LLC  
409 W. McDonald Road  
Calipatria, CA 92233

**Groundwater Monitoring  
Hudson Ranch 1 Geothermal Power Plant Brine Pond  
(APN 020-100-044)  
Calipatria, California  
LCI Project No. LE18069**

Dear Ms. Leon:

Landmark Consultants, Inc. installed groundwater monitoring wells for the Brine Pond in July 2011 at the Hudson Ranch No. 1 Geothermal Power Plant located at 409 West McDonald Road about 1.5 miles west of English Road northwest of Calipatria, California (Portion N½, NW¼, Section 24, T11S-R13E, SBM). Initial sampling and testing of groundwater quality was performed in October 2011 prior to any discharges to the Brine Pond (see LCI Report No. LE11049, dated November 28, 2011). The following report provides the results of the April 2019 groundwater sampling and testing event of the Brine Pond groundwater monitoring wells.

**Groundwater Sampling**

Prior to the April 2019 groundwater sampling, the depth to water and total depth of the wells were measured using an electronic water level sensor. Wells were then purged on April 15, 2019 using a power pump. The wells were purged dry and did not return to a minimum of 80% of the original casing volume by the end of the day. Therefore, groundwater samples were collected on April 17, 2019 after a sufficient volume of water was present in the screened wells.

Groundwater samples obtained from the wells were collected using a disposable bailer. During sampling, groundwater was monitored for pH, temperature, specific conductivity, and turbidity. The physical parameters are reported in Table 1.

**Table 1: Groundwater Physical Parameters at Time of Sampling**

<b>Well Number</b>	<b>Temp (°F)</b>	<b>Conductivity (µS)</b>	<b>Turbidity (NTU)</b>	<b>pH</b>	<b>Depth to Groundwater (ft)</b>
MW-1	85.3	11.2	32	6.11	18.0
MW-2	91.6	10.6	88	7.04	18.8
MW-3	86.2	11.4	278	6.03	15.8
MW-4	83.7	11.6	26	6.84	14.4
MW-5	84.7	11.5	201	6.46	15.7
MW-6	86.7	11.8	388	6.36	16.6
MW-7 (*)	81.5	11.2	221	6.04	12.2

(\*) Background well location

The groundwater samples were collected and stored in properly preserved, laboratory-provided containers. After collection, the groundwater samples were stored in an ice-chilled cooler for transport to a Cal-EPA certified analytical laboratory under chain-of-custody procedures. The groundwater samples were analyzed in the laboratory for this semi-annual sampling event in compliance with the California Regional Water Quality Control Board Waste Discharge Requirements (WDR) issued to the Hudson Ranch No. 1 geothermal plant, for the following:

- Total Dissolved Solids (TDS) by EPA Method 160.1
- pH by EPA Method 150.1
- Total petroleum hydrocarbons (TPH) by EPA Method 8015M
- Oil and Grease by Method 1664-HEM
- CCR Title 22 metals (As, Ba, Cd, Pb, and Zn) by EPA Methods 200.7 or 6010B

**Laboratory Analysis**

The groundwater samples were delivered under chain of custody protocol to Enviro—Chem, Inc. in Pomona, California on April 17, 2019 for analysis for Total Petroleum Hydrocarbons (Method EPA 8015M), Oil & Grease (1664-HEM), Total Dissolved Solids (EPA Method 160.1), pH (EPA Method 150.1), and CCR Title 22 Metals (EPA Methods 6010B and 7470A). Enviro—Chem is accredited by the State Health Department in California. Enviro—Chem provided a detailed report of the analytical results and Quality Control/Quality Assurance results after completion of the testing procedures. The analytical reports provided by the laboratory are provided in Appendix B (Oil & Grease, TDS, pH, TPH, and Title 22 Metals).

**Summary of Laboratory Test Results**

Analysis of the groundwater at the project site indicated non-detectable levels of petroleum hydrocarbons and Oil & Grease. The groundwater has high total dissolved solids (TDS) concentrations (29,700 to 48,600 mg/L) and is of non-beneficial use (brackish) in the Calipatria and Niland area. pH levels ranged from 6.1 to 6.9 which is similar to the field test results. The samples contained non-detectable levels of mercury, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, silver, and vanadium except as noted below:

<u>Monitoring Well</u>	<u>Metal</u>	<u>Concentration</u>
MW-1	Arsenic	0.010 mg/L
MW-2	Arsenic	0.011 mg/L
	Chromium	0.022 mg/L
MW-4	Molybdenum	0.011 mg/L
MW-5	Mercury	0.0007 mg/L

Detectable levels of copper, nickel and selenium were found in six (6) of the seven (7) samples. The levels of copper ranged from non-detect to 0.042 mg/L, the levels of nickel ranged from non-detect to 0.140 mg/L, and the levels of selenium ranged from non-detect to 0.162 mg/L. Detectable levels of zinc were found in all seven (7) samples. The levels of zinc ranged from 0.020 to 0.082 mg/L. A summary of the prior and current semi-annual test results are provided in Appendix C for each monitoring well.

If you should have any questions regarding the findings within this report, please feel free to contact the undersigned at (760) 370-3000.

Respectfully Submitted,  
**Landmark Consultants, Inc.**

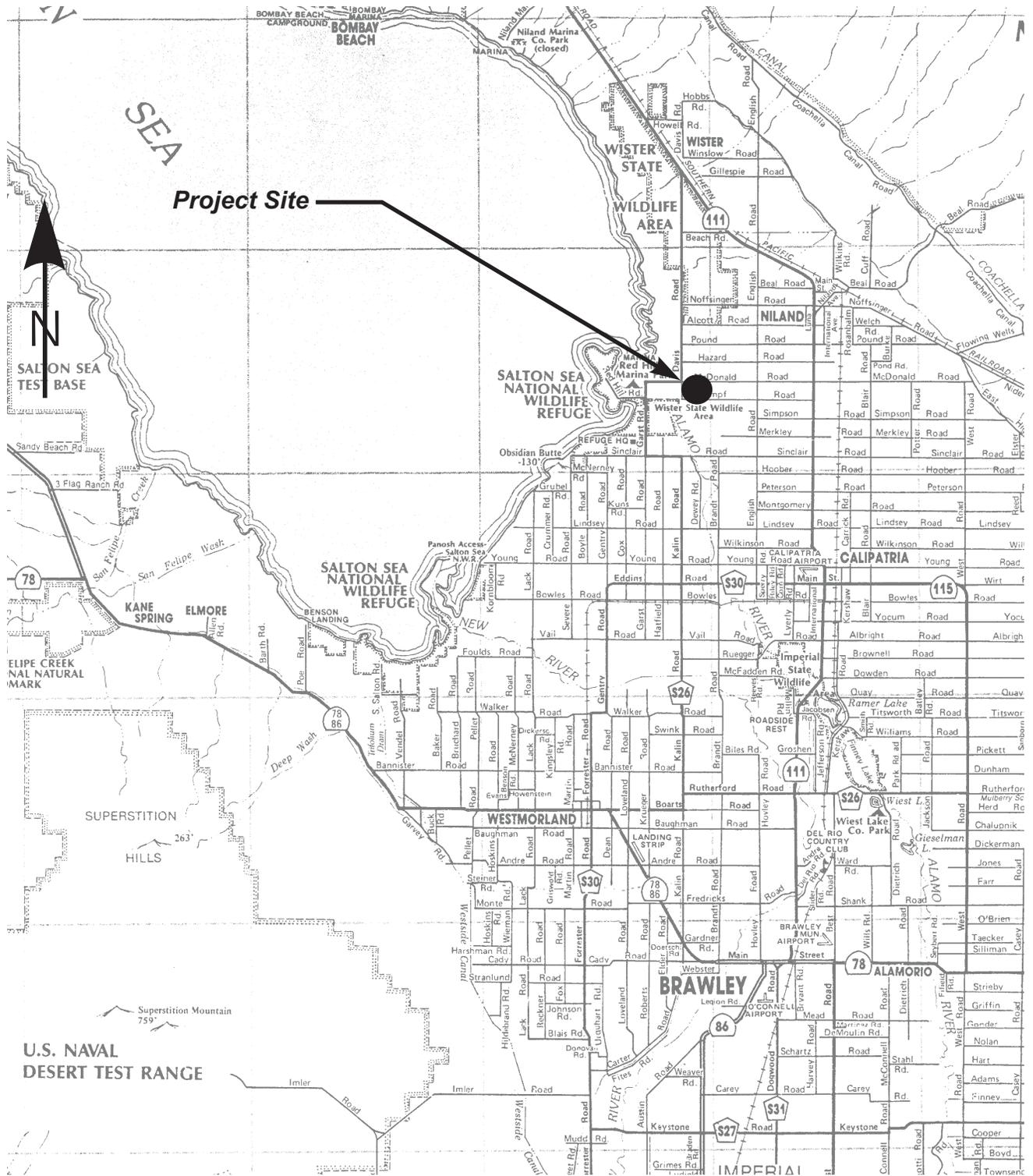
  
Steven K. Williams, PG, CEG  
Senior Engineering Geologist



  
Peter E. La Brucherie, PE  
Project Engineer



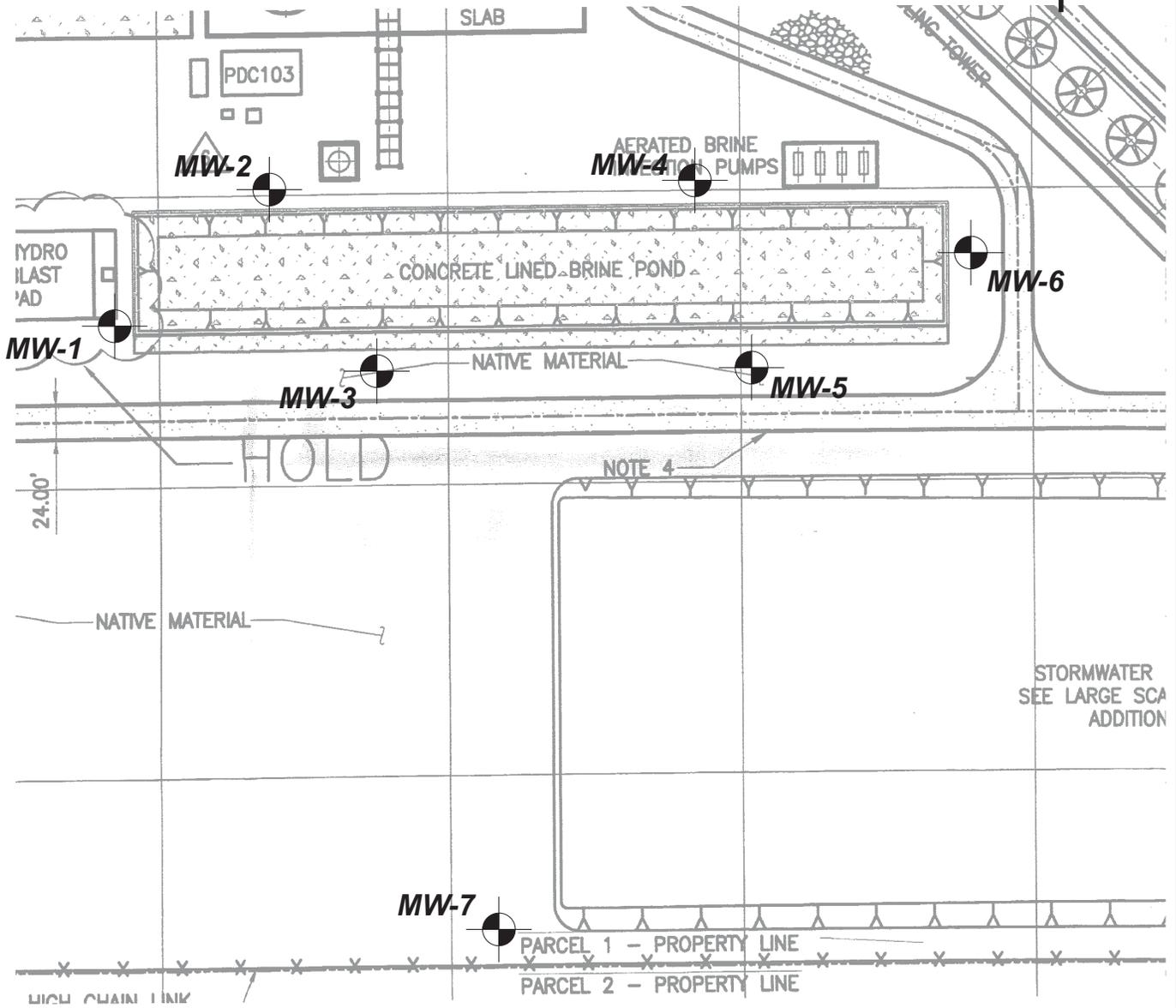
# APPENDIX A



**LANDMARK**  
 Geo-Engineers and Geologists  
 Project No.: LE19065

Vicinity Map

Plate  
 A-1



**LANDMARK**

Geo-Engineers and Geologists

Project No.: LE19065

Groundwater Monitoring Well Location Map

Plate  
A-2

# APPENDIX B

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

**C4-C10 HYDROCARBONS**  
**METHOD: EPA 5030B/8015B**  
**UNIT: ug/L = MICROGRAM PER LITER = PPB**

SAMPLE I.D.	LAB I.D.	C4-C10 RESULT	DF
MW-1	190417-13	ND	1
MW-2	190417-14	ND	1
MW-3	190417-15	ND	1
MW-4	190417-16	ND	1
MW-5	190417-17	ND	1
MW-6	190417-18	ND	1
MW-7	190417-19	ND	1
Method Blank	---	ND	1
	<b>PQL</b>	<b>50.0</b>	

**COMMENTS**

C4-C10 = GASOLINE RANGE  
 PQL = PRACTICAL QUANTITATION LIMIT  
 DF = DILUTION FACTOR  
 ACTUAL DETECTION LIMIT = PQL X DF  
 ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555





Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

# 8015B QA/QC Report

Date Analyzed: 4/18/2019

Units: ug/L (PPB)

Matrix: Water/Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 190416-21 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10-C28 RANGE	0	12000	9090	76%	10000	83%	10%	75-125	0-20%

### LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10-C28 RANGE	12000	11600	97%	75-125

Analyzed and Reviewed by: 

Final Reviewer: 

## LABORATORY REPORT

CUSTOMER: **Landmark Consultants, Inc.**  
780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**

SAMPLING DATE: 04/17/19

DATE RECEIVED: 04/17/19

MATRIX: WATER

DATE ANALYZED: 04/17-22/19

REPORT TO: MR. STEVEN K. WILLIAMS

DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-1**

LAB I.D.: 190417-13

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.12	---	--	SM 4500-H*B
SOLIDS, TOTAL DISSOLVED	mg/L	48000	1	4	SM 2540C

**COMMENTS:**

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non-Detected or below the Actual Detection Limit

mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

## LABORATORY REPORT

CUSTOMER: **Landmark Consultants, Inc.**  
780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**

SAMPLING DATE: 04/17/19

DATE RECEIVED: 04/17/19

MATRIX: WATER

DATE ANALYZED: 04/17-22/19

REPORT TO: MR. STEVEN K. WILLIAMS

DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-2**

LAB I.D.: 190417-14

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.80	---	--	SM 4500-H*B
SOLIDS, TOTAL DISSOLVED	mg/L	48600	1	4	SM 2540C

### COMMENTS:

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non-Detected or below the Actual Detection Limit

mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/17-22/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-3** LAB I.D.: 190417-15

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.14	---	--	SM 4500-H*B
SOLIDS, TOTAL DISSOLVED	mg/L	37500	1	4	SM 2540C

**COMMENTS:**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Non-Detected or below the Actual Detection Limit  
 mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

### LABORATORY REPORT

CUSTOMER: Landmark Consultants, Inc.  
780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: HR1 Brine Ponds / LE19065

SAMPLING DATE: 04/17/19

DATE RECEIVED: 04/17/19

MATRIX: WATER

DATE ANALYZED: 04/17-22/19

REPORT TO: MR. STEVEN K. WILLIAMS

DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-4**

LAB I.D.: 190417-16

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.88	---	--	SM 4500-H <sup>+</sup> B
SOLIDS, TOTAL DISSOLVED	mg/L	44600	1	4	SM 2540C

**COMMENTS:**

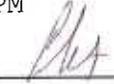
DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Non-Detected or below the Actual Detection Limit

mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel (760) 370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/17-22/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-5** LAB I.D.: 190417-17

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.61	---	--	SM 4500-H <sup>+</sup> B
SOLIDS, TOTAL DISSOLVED	mg/L	29700	1	4	SM 2540C

**COMMENTS:**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Non-Detected or below the Actual Detection Limit  
 mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

### LABORATORY REPORT

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

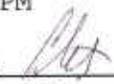
PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/17-22/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-6** LAB I.D.: 190417-18

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.59	---	--	SM 4500-H <sup>+</sup> B
SOLIDS, TOTAL DISSOLVED	mg/L	36100	1	4	SM 2540C

**COMMENTS:**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Non-Detected or below the Actual Detection Limit  
 mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE:04/17/19 DATE RECEIVED:04/17/19  
 MATRIX:WATER DATE ANALYZED:04/17-22/19  
 REPORT TO:MR. STEVEN K. WILLIAMS DATE REPORTED:04/22/19

SAMPLE I.D.: **MW-7** LAB I.D.: 190417-19

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 1664A
pH	pH UNITS	6.61	---	--	SM 4500-H*B
SOLIDS, TOTAL DISSOLVED	mg/L	31700	1	4	SM 2540C

**COMMENTS:**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Non-Detected or below the Actual Detection Limit  
 mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**METHOD BLANK REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/17-22/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

METHOD BLANK FOR LAB I.D.: 190417-13 THROUGH -19

PARAMETER	UNIT	SAMPLE RESULT	PQL	DF	TEST METHOD
OIL & GREASE	mg/L	ND	1	1	EPA 413.2
SOLIDS, TOTAL DISSOLVED	mg/L	ND	1	1	SM 2540C

**COMMENTS:**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Non-Detected or below the Actual Detection Limit  
 mg/L = Milligram per liter = PPM

DATA REVIEWED AND APPROVED BY:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

## QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/L	4/12/2019	190412-43	143	141	1.41%	0-20
Residual Chlorine	mg/L					0.00%	0-20
EC/SC	umhos/cm					0.00%	0-20
pH	pH units	4/17/2019	190417-19	6.61	6.63	0.30%	0-20
TDS	mg/L	4/19/2019	190417-19	31676	31800	0.39%	0-20
TSS	mg/L	4/17/2019	190415-23	54	55	1.83%	0-20
Turbidity	mg/L					0.00%	0-20
%Moisture	%					0.00%	0-20
DENSITY	ohms					0.00%	0-20
Settleable Solid	mL/L/hr					0.00%	0-20
Resistivity	ohms					0.00%	0-20
Carbon Dioxide	mg CO <sub>2</sub> /L					0.00%	0-20

ACP %RPD = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/L				0	0-20					#VALUE!
Ammonia as N	mg/L			5.00	0.00	0-20					#VALUE!
Chloride	mg/L	4/19/2019	LCS1/2	20.0	0.00	0-20	17.0	85%	18.0	90%	5.0%
COD	mg/L	4/17/2019	LCS1/2	500	0.0	0-20	450	90%	460	92%	2.0%
CR VI	mg/L			0.400	0.00	0-20					#VALUE!
Cyanide	mg/L	4/18/2019	LCS1/2	0.200	0.00	0-20	0.171	86%	0.168	84%	1.5%
Fluoride	mg/L	4/18/2019	LCS1/2	1.00	0.00	0-20	0.979	98%	0.871	87%	10.8%
MBAS	mg/L			0.600	0.00	0-20					#VALUE!
Nitrate as N	mg/L	4/11/2019	LCS1/2	0.400	0.00	0-20	0.343	86%	0.359	90%	4.0%
Nitrite as N	mg/L	4/11/2019	190411-43	0.400	0.00	0-20	0.374	94%	0.379	95%	1.3%
EPA 1664A	mg/L			20.0	0.0	0-20					#VALUE!
OIL & GREASE 413.2	mg/L			20.00	0.00	0-20					#VALUE!
Phenolics	mg/L			0.500	0.00	0-20					#VALUE!
Sulfate	mg/L	4/19/2019	190416-49	20.0	37.80	0-20	55.0	86%	55.8	90%	4.0%
Dissolved Sulfide	mg/L	4/17/2019	190416-42	0.300	0.00	0-20	0.255	85%	0.261	87%	2.0%
Total Sulfide	mg/L			0.300	0.00	0-20					#VALUE!
TRPH	mg/L			20.00	0.00	0-20					#VALUE!

S.R. = Sample Results      %RC = Percent Recovery      ACP %RC = Acceptable Percent Recovery      Spk Conc = Spike Concentration

Analyst Signature: wp

Final Reviewer: ea

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766

Tel (909)590-5905 Fax (909)590-5907

Matrix: WATER/LIQUID

# QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/L					0.00%	0-20
Residual Chlorine	mg/L					0.00%	0-20
EC/SC	umhos/cm					0.00%	0-20
pH	pH units					0.00%	0-20
TDS	mg/L					0.00%	0-20
TSS	mg/L					0.00%	0-20
Turbidity	mg/L					0.00%	0-20
%Moisture	%					0.00%	0-20
DENSITY	ohms					0.00%	0-20
Settleable Solid	mL/L/hr					0.00%	0-20
Resistivity	ohms					0.00%	0-20
Carbon Dioxide	mg CO <sub>2</sub> /L					0.00%	0-20

%RPD = Relative Percent Difference ACP %RPD = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/L				0	0-20					#VALUE!
Ammonia as N	mg/L			5.00	0.000	0-20					#VALUE!
Chloride	mg/L			20.0	0.00	0-20					#VALUE!
COD	mg/L			500	0.0	0-20					#VALUE!
CR VI	mg/L			0.400	0.00	0-20					#VALUE!
Cyanide	mg/L			0.200	0.00	0-20					#VALUE!
Fluoride	mg/L			1.00	0.00	0-20					#VALUE!
MBAS	mg/L			0.600	0.00	0-20					#VALUE!
Nitrate as N	mg/L			0.400	0.095	0-20					#VALUE!
Nitrite as N	mg/L			0.400	0.00	0-20					#VALUE!
EPA 1664A	mg/L	4/22/2019	LCS1/2	20.0	0.0	0-20	17.6	88%	16.8	84%	4.0%
OIL & GREASE 413.2	mg/L			20.0	0.00	0-20					#VALUE!
Phenolics	mg/L			0.500	0.00	0-20					#VALUE!
Sulfate	mg/L			20.0	0.00	0-20					#VALUE!
Dissolved Sulfide	mg/L			0.300	0.00	0-20					#VALUE!
Total Sulfide	mg/L			0.300	0.00	0-20					#VALUE!
TRPH	mg/L			20.00	0.00	0-20					#VALUE!

S.R. = Sample Results

%RC = Percent Recovery

ACP %RC = Acceptable Percent Recovery

Spk Conc = Spike Concentration

*[Handwritten Signature]*

Analyst Signature: \_\_\_\_\_

Final Reviewer: \_\_\_\_\_

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-1** LAB I.D.: 190417-13

**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	0.010	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.038	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.134	0.05	1	200.7
Selenium (Se)	0.050	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.066	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

## LABORATORY REPORT

CUSTOMER: **Landmark Consultants, Inc.**  
780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**

SAMPLING DATE: 04/17/19

DATE RECEIVED: 04/17/19

MATRIX: WATER

DATE ANALYZED: 04/18/19

REPORT TO: MR. STEVEN K. WILLIAMS

DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-2**

LAB I.D.: 190417-14

### TOTAL METALS ANALYSIS

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	0.011	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	0.022	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.042	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.140	0.05	1	200.7
Selenium (Se)	0.162	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.043	0.01	1	200.7

### COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-3** LAB I.D.: 190417-15

**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.035	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.135	0.05	1	200.7
Selenium (Se)	0.042	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.082	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit, or non-detected

Data Reviewed and Approved by: *Plot*  
 CAL-DHS ELAP CERTIFICATE No.: 1555

## LABORATORY REPORT

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**

SAMPLING DATE: 04/17/19

DATE RECEIVED: 04/17/19

MATRIX: WATER

DATE ANALYZED: 04/18/19

REPORT TO: MR. STEVEN K. WILLIAMS

DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-4**

LAB I.D.: 190417-16

### TOTAL METALS ANALYSIS

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.027	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	0.110	0.1	1	200.7
Nickel (Ni)	0.098	0.05	1	200.7
Selenium (Se)	0.062	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.020	0.01	1	200.7

#### COMMENTS

DF = Dilution Factor

PQL = Practical Quantitation Limit

Actual Detection Limit = PQL X DF

ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by: 

CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-5** LAB I.D.: 190417-17

**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	ND	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	0.0007	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.086	0.05	1	200.7
Selenium (Se)	0.025	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.028	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-6** LAB I.D.: 190417-18

**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.022	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.096	0.05	1	200.7
Selenium (Se)	0.056	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.035	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**LABORATORY REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

SAMPLE I.D.: **MW-7** LAB I.D.: 190417-19

**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	0.021	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	0.088	0.05	1	200.7
Selenium (Se)	ND	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	0.024	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

**METHOD BLANK REPORT**

CUSTOMER: **Landmark Consultants, Inc.**  
 780 N. 4<sup>th</sup> Street, El Centro, CA 92243  
 Tel(760)370-3000 E-Mail: SWilliams@Landmark-CA.com

PROJECT: **HR1 Brine Ponds / LE19065**  
 SAMPLING DATE: 04/17/19 DATE RECEIVED: 04/17/19  
 MATRIX: WATER DATE ANALYZED: 04/18/19  
 REPORT TO: MR. STEVEN K. WILLIAMS DATE REPORTED: 04/22/19

METHOD BLANK FOR LAB I.D.: 190417-13 THROUGH -19

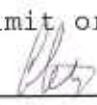
**TOTAL METALS ANALYSIS**

UNIT: mg/L = MILLIGRAM PER LITER = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	DF	EPA METHOD
Antimony (Sb)	ND	0.02	1	200.7
Arsenic (As)	ND	0.01	1	200.7
Barium (Ba)	ND	0.10	1	200.7
Beryllium (Be)	ND	0.01	1	200.7
Cadmium (Cd)	ND	0.01	1	200.7
Chromium (Cr)	ND	0.01	1	200.7
Cobalt (Co)	ND	0.02	1	200.7
Copper (Cu)	ND	0.02	1	200.7
Lead (Pb)	ND	0.01	1	200.7
Mercury (Hg)	ND	0.0005	1	245.1
Molybdenum (Mo)	ND	0.1	1	200.7
Nickel (Ni)	ND	0.05	1	200.7
Selenium (Se)	ND	0.02	1	200.7
Silver (Ag)	ND	0.02	1	200.7
Thallium (Tl)	ND	0.02	1	200.7
Vanadium (V)	ND	0.1	1	200.7
Zinc (Zn)	ND	0.01	1	200.7

**COMMENTS**

DF = Dilution Factor  
 PQL = Practical Quantitation Limit  
 Actual Detection Limit = PQL X DF  
 ND = Below the Actual Detection limit or non-detected

Data Reviewed and Approved by:   
 CAL-DHS ELAP CERTIFICATE No.: 1555

# QA/QC for TLLC Metals Analysis --WATER MATRIX

## Matrix Spike/ Matrix Spike Duplicate/ LCS :

ANALYSIS DATE: 4/18/2019

Unit : mg/L(ppm)

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Arsenic(As)	190417-12	1.00	100	PASS	0	1.00	0.864	86%	0.873	87%	1%
Copper(Cu)	190417-12	1.00	89	PASS	0.094	1.00	0.891	80%	0.885	79%	1%
Zinc(Zn)	190417-12	1.00	105	PASS	0.032	1.00	0.950	92%	0.960	93%	1%

ANALYSIS DATE : 4/18/2019

Analysis	Spk.Sample BATCH ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Mercury (Hg)	190417-19	0.00250	92	PASS	0.0003	0.00250	0.00240	84%	0.00240	84%	0%

## MS/MSD Status:

Analysis	%MS	%MSD	%LCS	%RPD
Arsenic(As)	FAIL*	FAIL*	PASS	PASS
Copper(Cu)	PASS	PASS	PASS	PASS
Zinc(Zn)	PASS	PASS	PASS	PASS
Mercury (Hg)	PASS	PASS	PASS	PASS
<b>Accepted Range</b>	<b>75 ~ 125</b>	<b>75 ~ 125</b>	<b>85 ~ 115</b>	<b>0 ~ 20</b>

ANALYST: \_\_\_\_\_

FINAL REVIEWER: \_\_\_\_\_

\*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

**Enviro-Chem, Inc. Laboratories**  
 1214 E. Lexington Avenue,  
 Pomona, CA 91766  
 Tel: (909) 590-5905 Fax: (909) 590-5907  
**CA-DHS ELAP CERTIFICATE #1555**

Turnaround Time  
 Same Day  
 24 Hours  
 48 Hours  
 72 Hours  
 1 Week (Standard)  
 Other:

Misc./PO#  
 PH TDS  
 CAM 17 METALS  
 OIL & GREASE  
 DIESEL  
 TPH GHS

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required	COMMENTS
MW-1	1P0417-13	4-17-19	10:40 AM	H <sub>2</sub> O	2 VQA		HCl	X	
					2		H <sub>2</sub> SO <sub>4</sub>	X	
					1		HNO <sub>3</sub>	X	
					1		NONE	X	
MW-2	-14				2 VQA		HCl	X	
					2		H <sub>2</sub> SO <sub>4</sub>	X	
					1		HNO <sub>3</sub>	X	
					1		NONE	X	
MW-3	15				2 VQA		HCl	X	
					2		H <sub>2</sub> SO <sub>4</sub>	X	
					1		HNO <sub>3</sub>	X	
					1		NONE	X	

Company Name: **LANDMARK CONSULTANTS, INC.**  
 Address: **780 N. 4th STREET**  
 City/State/Zip: **ELGENTRO / CA / 92243**  
 Project Contact: **STEVEN WILLIAMS**  
 Tel: **760-370-3000**  
 Fax: **SWILLIAMS@LANDMARK-CA.COM**  
 Sampler's Signature: *[Signature]*  
 Project Name/ID: **HRI BRINE PONDS LE19065**

Relinquished by: *[Signature]*  
 Relinquished by: *[Signature]*  
 Relinquished by: *[Signature]*

Date & Time: **4-17-19 12:00**  
 Date & Time: **4/17 15:00**  
 Date & Time:

Instructions for Sample Storage After Analysis:  
 Dispose of  Return to Client  Store (30 Days)  
 Other:

**Enviro-Chem, Inc. Laboratories**  
 1214 E. Lexington Avenue,  
 Pomona, CA 91766  
 Tel: (909) 590-5905 Fax: (909) 590-5907  
**CA-DHS ELAP CERTIFICATE #1555**

Turnaround Time  
 Same Day  
 24 Hours  
 48 Hours  
 72 Hours  
 ~~Week~~ (Standard)  
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required						COMMENTS	Misc./PO#
								PH, TDS	CM 17 METALS	CIL & GREASE	DIESEL	TPH GAS			
MW-4	19067-16	4-17-19		H <sub>2</sub> O	2 VOA		HCl	X	X	X	X				
					2		H <sub>2</sub> SO <sub>4</sub>	X							
					1		HNO <sub>3</sub>	X							
					1		NONE	X							
MW-5	-17				2 VOA		HCl	X	X	X	X				
					2		H <sub>2</sub> SO <sub>4</sub>	X	X	X	X				
					1		HNO <sub>3</sub>	X							
					1		NONE	X							
MW-6	-18				2 VOA		HCl	X	X	X	X				
					2		H <sub>2</sub> SO <sub>4</sub>	X	X	X	X				
					1		HNO <sub>3</sub>	X							
					1		NONE	X							

Company Name: **CANDIMARK CONSULTANTS, INC.**  
 Address: **780 N. 4th STREET**  
 City/State/Zip: **EL CENTRO / CA / 92243**  
 Project Contact: **STEVEN WILLIAMS**  
 Tel: **760-370-3000**  
 Fax: **SWILLIAMS@CANDIMARK-CA.COM**  
 Sampler's Signature: *[Signature]*  
 Project Name/ID: **HRI BRINE POWD**  
**LE19065**

Received by: *[Signature]* Date & Time: **4-17-19 3:08**  
 Relinquished by: *[Signature]* Date & Time: **4-17-19 15:00**  
 Relinquished by: *[Signature]* Date & Time: \_\_\_\_\_  
 Instructions for Sample Storage After Analysis:  
 Dispose of  Return to Client  Store (30 Days)  
 Other:

**Enviro-Chem, Inc. Laboratories**  
 1214 E. Lexington Avenue,  
 Pomona, CA 91766  
 Tel: (909) 590-5905 Fax: (909) 590-5907  
**CA-DHS ELAP CERTIFICATE #1555**

Turnaround Time  
 Same Day  
 24 Hours  
 48 Hours  
 72 Hours  
 ~~1 Week~~ (Standard)  
 Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required					COMMENTS	Misc./PO#
								PH, TDS	CHLORIDES	DIRT & GREASE	DIESEL	TPH GAS		
MW-7	190617-19	4-17-19		H <sub>2</sub> O	2		HCl				X			
Σ	1	Σ		Σ	2		H <sub>2</sub> SO <sub>4</sub>	X						
Σ	1	Σ		Σ	1		HNO <sub>3</sub>	X						
					1		None	X						

Company Name: **LANDMARK CONSULTANTS INC.**  
 Address: **780 W. 4th STREET**  
 City/State/Zip: **ELGENTRIDGE / 92243**  
 Project Contact: **STEVE WILLIAMS**  
 Tel: **760-370-3050**  
 Fax: **501 WILLIAMS E LAMAR MOUNTAIN CA. COM**  
 Sampler's Signature: *[Signature]*  
 Project Name/ID: **HRI BRINE PAVES**  
**LE19065**  
 Date & Time: **4-17-19 15:00**  
 Date & Time: **4-17-19 15:00**  
 Date & Time:  
 Received by: *[Signature]*  
 Relinquished by: *[Signature]*  
 Relinquished by: *[Signature]*  
 Relinquished by:

Instructions for Sample Storage After Analysis:  
 Dispose of  
 Return to Client  
 Store (30 Days)  
 Other:

**CHAIN OF CUSTODY RECORD**

# APPENDIX C















# APPENDIX K



**Jeffrey O. Lyon, PE**  
**Principal Engineer**

### **Education**

B.S. Civil Engineering (Magna Cum Laude)  
California Polytechnic University, Pomona Campus 1978

### **Registration**

Registered Civil Engineer No. 31921, California  
Registered Civil Engineer No. 16994, Arizona

### **Professional Experience**

1987 - Present	Principal Engineer Southland Geotechnical, Inc.
1982 - 1987	Principal Engineer Lyon Engineers, Inc.
1978 - 1981	Partner/Senior Engineer Tesco Engineering
1974 - 1977	Survey Party Chief Tesco Engineering
1972 - 1973	Survey Party Chief Lyon & Associates

### **Summary of Experience**

As Principal Engineer, Mr. Lyon is responsible for financial and technical management of all employees in Southland Geotechnical's four branch offices. Mr. Lyon has performed site investigations for residential subdivisions, geogrid-reinforced slopes, shopping centers, military airfields, roadways, administration and office buildings, elementary and high schools, goldmine mill processing facilities, hydro-electric plants, power transmission lines, electrical substations, co-generation power plants and geothermal power plants. He has provided design for drilled piers, driven piles, stone columns and floating (rigid) mats, and has performed seismic risk evaluations, ground shaking analyses, liquefaction studies and liquefaction induced settlements studies. Mr. Lyon has conducted Phase I and Phase II ESA's throughout the Imperial and Coachella Valleys for over 7 years. Mr. Lyon's experience also includes forensic investigations for foundation/structural distress to residential, commercial and educational facilities, and has performed pressure grout stabilization and lifting for distress remediation.

### **Selected Project Experience**

- **Aten Road Improvements, Imperial, CA**  
Performed Phase I environmental site assessment for improvements to Aten Road in accordance to CalTrans requirements.
- **Gateway to the Americas, Calexico, CA**  
Conducted Phase I ESA, geologic hazards study and geotechnical investigation including liquefaction evaluation for 1,700 acre development associated with new Port of Entry east of Calexico
- **El Centro Magistrate Court, El Centro, CA**  
Conducted geotechnical investigation and Phase I ESA for new Federal Magistrate Court building at site with soft soil conditions requiring foundation settlement analysis
- **El Centro Regional Medical Center, El Centro, CA**  
Conducted Phase I ESA and geotechnical investigation for 50,000 sf, 2-story addition to the medical center's emergency room, operating rooms, and recovery rooms.
- **Brawley Union High School, Brawley, CA**  
Conducted Phase II investigation for PCB and lead contamination of surficial soil and hydrocarbon contamination of subsurface soil of a property proposed for purchase.
- **EW Corporation Site, Westmorland, CA**  
Conducted Phase II investigation for hydrocarbon contamination of subsurface soil of a service station site with leaking underground storage tanks prior to property purchase
- **Various Apartment Complexes, Imperial County, CA**  
Conducted Phase I environmental investigation at numerous proposed apartment complex site within the Imperial Valley
- **Hwy 98 Improvements, Imperial, CA**  
Performed Phase I environmental site assessment for improvements to Hwy 98 for a new intersection in accordance to CalTrans requirements.

### **Professional Affiliations**

American Society of Civil Engineers, Member  
American Society of Testing Materials, Member  
American Concrete Institute, Certified Examiner  
Association of Professional Firms Practicing in the Geosciences, Member



**Peter LaBrucherie, PE**  
**Staff Engineer**

**Education**

B.S. Civil Engineering  
California Polytechnic University, San Luis Obispo, 2011

M.S. Civil Engineering  
California Polytechnic University, San Luis Obispo, 2012

**Registration**

Professional Engineer C84812, California

**Professional Experience**

2013 - Present    Staff Engineer  
                          GS Lyon, Inc.  
2012 - 2013     Project Engineer  
                          BNBuilders.

**Summary of Experience**

As an Environmental Technician, Mr. LaBrucherie performs Phase I Environmental Site Assessments in Imperial County. The scope of work for these assessments typically includes site reconnaissance, review of government records pertaining to previous site uses, and preparation of a report identifying potential environmental risks.

**Selected Project Experience**

**Seville Solar Farm, Westmorland, CA**

Conducted Phase I environmental site assessment for solar project located about 9 miles northwest of Westmorland, Ca.

**Clean Harbors Facility, Westmorland, CA**

Conducted annual reports which included flood diversion, photo documentation and post closure for waste facility located about 5 miles west of Westmorland, Ca.

**Ching Properties, Brawley, CA**

Conducted Phase I environmental site assessment for vacant property located in Brawley, Ca.

**Chelsea - 470 W. Wall Road, Imperial, CA**

Conducted Phase I environmental site assessment for vacant property located in Imperial, Ca. Property is being proposed for apartment complex.

**1409 E. Alamo Road, Holtville, CA**

Conducted Phase I environmental site assessment for property (mostly vacant with some unused shop buildings and abandoned residential home) located west of Holtville, Ca.

**BUSD School Site, Brawley, CA**

Conducted Phase I environmental site assessment for school site proposal on a vacant property located in south Brawley, Ca.

**CR&R Direct Transfer, El Centro, CA**

Conducted Phase I environmental site assessment for commercial property (large warehouse and office with large laydown area) located in El Centro, Ca.

**Villa Primavera Apartments, Calexico, CA**

Conducted Phase I environmental site assessment for vacant property located in Calexico, Ca.