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**Phase I Hazardous Substance Liability Assessment (HSLA)**  
**Reif Family Trust**  
**APNs 825-12-017 and -019**  
**12280 Sycamore Avenue**  
**San Martin, California 95046**



**Prepared On Behalf Of**

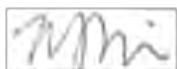
Santa Clara Valley Water District  
5750 Almaden Expressway  
San Jose, California 95118

**Date**

11/23/16

**Project  
Number**

849.01.55



**Madelyn Rios**  
Project Scientist

A large, stylized handwritten signature in black ink, which appears to be "Michael J. Leacox".

**Michael J. Leacox, P.G., CEG**  
Principal

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## **Plates**

1. Vicinity Map
2. Site Map
- 3A through 3E. Site Photographs

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- A. Final Plat
- B. EDR Summary Radius Map Report
- C. Historical City Directory, Historical Aerial Photographs, Sanborn Fire Insurance Maps, Historical Topographic Maps, Building Department Records, Lien Search Reports, Property Tax Map Report
- D. Qualifications
- E. Additional Documentation (Vapor Encroachment Screening Matrix, Preliminary Title Report, and ROE Agreement)

**PHASE I HAZARDOUS SUBSTANCE LIABILITY ASSESSMENT (HSLA)  
REIF FAMILY TRUST  
LLAGAS CREEK FLOOD PROTECTION PROJECT**

**1.0 GENERAL INFORMATION**

**1.0 GENERAL INFORMATION**

**Project Information:**

Upper Llagas Creek

**Project Number:**

849.01.55

**Consultant Information:**

NCE

8795 Folsom Blvd., Suite 250

Sacramento, California 95826

**Phone:** 916-388-5655

**Fax:** 916-388-5676

**Email Address:** [mleacox@ncenet.com](mailto:mleacox@ncenet.com)

**Inspection Date:** March 21, 2016

**Report Date:** November 23, 2016

**Site Information:**

APNs: 825-12-017 and -019

12280 Sycamore Avenue

San Martin, California 95046

**Latitude, Longitude:**

37.0751280 (37° 4' 30.46"),

121.5873470 (121° 35' 14.44")

**Site Access Contact:** Leona M. Reif Trustee

**Client Information:**

Santa Clara Water District

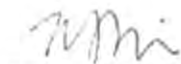
Brad Imamura, SR/WA, Senior Real Estate

Agent, Real Estate Services Unit

5750 Almaden Expressway

San Jose, California 95118-3686

**Site Assessor**



Madelyn Rios  
Project Scientist

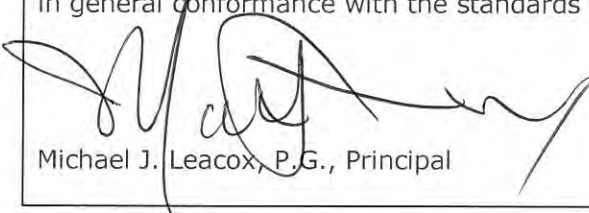
**Senior Reviewer**



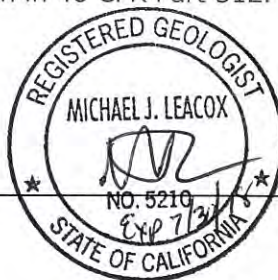
Michael J. Leacox, P.G.  
Principal

**Certification:**

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



Michael J. Leacox, P.G., Principal



## 2.0 EXECUTIVE SUMMARY

### 2.1 Introduction

NCE was retained by Overland, Pacific & Cutler, Inc. (OP&C) on behalf of the Santa Clara Valley Water District (District) to perform a Phase I Hazardous Substance Liability Assessment (HSLA) or environmental site assessment in support of the Upper Llagas Creek Flood Protection Project (herein identified as the Project). The HSLA was performed at the Reif Family Trust property located at 12280 Sycamore Avenue in San Martin, California (herein identified as the Site; Plate 1). The District is in the process of obtaining a partial acquisition in fee (herein identified as the Right of Way [ROW]) in the northern portion of the Site. A copy of the Final Plat, which shows the location of the ROW, is included as Appendix A. Intended use of the ROW by the District upon its acquisition includes ingress/egress and excavation for channel widening. This report presents the HSLA findings and conclusions regarding the environmental conditions associated with the Site. It also provides recommendations to address the environmental concerns that were identified within the ROW.

The HSLA was performed in general accordance with ASTM International's (ASTM's) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, Designation E1527-13 (ASTM, 2013) and the United States Environmental Protection Agency's (EPA's) "All Appropriate Inquiries" (AAI) Final Rule (EPA, 2005), as outlined in the Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA), 42 USC § 9601. Activities to identify environmental concerns included reviewing readily available information and environmental data relating to the Site; interviewing readily available persons knowledgeable about the Site; reviewing readily available maps, aerial photographs and records maintained by federal, state, and local regulatory agencies; and conducting a site visit.

### 2.2 Project Background

Review of the District's website ([www.valleywater.org/Services/UpperLlagas.aspx](http://www.valleywater.org/Services/UpperLlagas.aspx)) indicates the following in regards to the Project:

- The Project, a joint project with the United States Army Corps of Engineers (Corps), is part of the District's 15-year Clean, Safe Creeks and Natural Flood Protection Plan approved by the voters in November 2000.
- The Project will provide 100-year level of flood protection in the urban areas of Morgan Hill, as well as an approximate 10-year level of flood protection and no induced flooding in the agricultural areas of Gilroy and Morgan Hill. More specifically, the Project will provide flood protection for 1,100 homes, 500 businesses, and over 1,300 acres of agricultural land in southern Santa Clara County (County).
- The Project extends approximately 13 miles from about Buena Vista Avenue in Gilroy to just beyond Llagas Road in Morgan Hill.
- The Project design is being updated to enhance the habitat, fish, and wildlife within the Llagas Creek watershed.

Llagas Creek is a tributary of the Pajaro River and drains a 104-square-mile watershed within the County. The Corps, as the lead federal agency, is responsible for the planning, design, and construction of the Project. The District, as the local sponsor, is responsible for property rights acquisition, utility and structure relocations, and the design and construction of numerous box culverts.

In support of the Project, NCE was contracted to provide HSLAs for select properties located along Reach 14<sup>1</sup> (Plate 1), which includes the Site. As noted above, this report includes a discussion of our findings of the HSLA and conclusions regarding the environmental conditions associated with the Site. It is our understanding that the HSLA was conducted as part of the due diligence in evaluating the Site in connection with properties proposed for purchase (partial acquisition in fee) by the District for the Project.

### 2.3 Subject Property Description

At the time of NCE's March 21, 2016 site reconnaissance (site visit), the Site was being cultivated for agriculture use and consisted of three residential houses and one employee break structure. The Site does not have an official address, but is commonly known as 12280 Sycamore Avenue, San Martin California. The Site consists of two County Assessor Parcel Numbers (APNs) 825-12-017 and -019 (Plate 2). Commutatively, the parcels occupy approximately 9.9 acres. The ROW consists of two units: a 9,263 square foot (0.21 acres) rectangular shaped area that borders the northeastern property line (northern ROW), and a crescent shaped area that is 1,795 square feet (0.04 acres) along the southeast boundary (southern ROW).

The Site abuts Church Avenue to the south and is located between Sycamore Avenue to the west and Amistad Lane to the east, approximately 0.12 miles east of Highway 101. East Little Llagas Creek, a tributary of Llagas Creek, borders the eastern edge of the Site. The site vicinity is characterized as agricultural land with low density rural residential use.

### 2.4 Environmental Report Summary

Based on records review, site reconnaissance, and interviews, the following findings were made in connection with the Site:

- The Site was utilized for agricultural purposes, primarily orchards from at least the late 1930s until the late 1970s. Between 1974 and 1982, based on a review of aerial photographs, the orchards were cleared and replaced with the existing row crops. Despite poor resolution of the aerial photographs, it appears that the primary house on APN 825-12-019 and the smaller houses located on APN 825-12-017 were first present around 1968. The employee break structure located on APN 825-12-017 first appears in aerial imagery in 1982. None of these structures are located within the ROW and the closest is located approximately 70-feet to the west of the ROW.
- On March 21, 2016, NCE conducted a site visit to look for visual evidences of surface contamination and potential sources of subsurface contamination. A visual inspection was also performed of the adjoining properties to look for evidences of potential environmental concerns. Plate 2 depicts a plan view/layout of the Site. Select photographs taken during the site visit are presented on Plates 3A through 3E. During the site visit, NCE met with the owner, Ms. Leona Reif. Ms. Reif offered limited information about the Site.

<sup>1</sup> District defines the portion of the Project that extends from William Street to I-280 as Reach 14 (<http://www.valleywater.org>).

- The following three ASTs were observed on the Site:
  - A. AST #1, an approximately 500 gallon tank, mounted on a small rack situated above bare soil that is just east of the easternmost residential structure, approximately 50-feet to the west of the northern ROW (Plate 2). According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST is used to store propane. No signs of leakage, spillage, or contamination associated with this tank were observed.
  - B. AST #2, an approximately 550 gallon tank located approximately 50-feet to the east of AST #1 and within the northern ROW. This AST is present on a truck flat bed. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST was used to store water in the past, but is not presently being used. No signs of contamination associated with this tank were observed.
  - C. AST #3, an approximately 500 gallon tank, is located in the northwestern portion of APN 825-12-017, approximately 270-feet to the southwest of the northern ROW. This AST is used to store diesel fuel and is located on wooden planks above bare soil. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, the diesel is used to fuel the tractors. During the site visit, this AST appeared to be leaking fluids and areas of stained soil were observed adjacent to the AST. Review of Google Earth Pro Historical Imagery indicates that AST #3 (diesel) has been present at its current location since at least 2009. Previous locations at use of AST #3 prior to 2009 are not known.
- A tank house that adjoins the easternmost house on APN 825-12-107 was observed (Plate 3a) during the site visit. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, there are two active water supply wells located in the tank house that are used to provide water at the Site.
- An area (approximately 0.22 acres) located in the northern portion of APN 825-12-017 **is being used as a "junkyard" to store an assemblage of miscellaneous vehicles and machinery parts.** This area is approximately 158-feet to the southwest of the northern ROW. Review of Google Earth Pro Historical Imagery indicates that this area has been used as a junkyard since at least 2005.
- NCE did not observe evidence of underground storage tanks (USTs) at the Site. In addition, the regulatory records review did not indicate current registration of ASTs or USTs at the Site, but lack of registration or UST permit does not necessarily mean that UST(s) are not present. No evidence of vent pipes, fill pipes, or access ways indicating USTs were observed at the time of the site visit.
- According to an environmental lien search, no environmental liens are associated with the Site.
- Review of an environmental database report indicates that the Site address is not listed on the federal, state or local databases researched by Environmental Data Resources, Inc. (EDR).

- Based on the completion of the vapor encroachment condition (VEC) screening matrix, NCE concludes that a VEC cannot be ruled out because the potential exists for leaks and/or spills related to the historical uses of AST #3 to have occurred. As a result, it is also probable for a VEC condition associated with AST #3 to be present and additional assessment is required to evaluate this concern. A copy of the Preliminary Vapor Encroachment Screen (PVES) PVES is included in Appendix E.

In regards to off-site facilities, review of the EDR Summary Radius Map Report (Appendix B) indicates there is a petroleum hydrocarbon (PHC)-related facility located at 12305 Sycamore Avenue, approximately 152-feet to the northwest in a downgradient position relative to the Site. This facility was not listed on the California Department of Toxic Substance's Control's (DTSC's) Envirostor website or the State Water Resources Control Board's (SWRCB's) Geotracker website. Based on this information, its downgradient position, and relatively large distance from the Site (distance greater than 30-feet), it appears unlikely that a VEC condition associated with that facility exists beneath the Site. However, additional assessment is required to specifically understand the concern.

- Review of the California Department of Conservation's Divisions of Mines and Geology document entitled "A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos"** indicates that the Site is located near an area that is likely to contain naturally occurring asbestos. Based on this information, there is a potential for soil at the Site to contain naturally occurring asbestos. An investigation to assess the potential of NOA is required for further evaluate of this concern.
- Land use in the vicinity of the Site consists of rural residential and agricultural development.
- Only the facility located at 12305 Sycamore Avenue noted above was listed on the various regulatory databases searched by EDR. Details regarding this property are discussed in Section 6.1. Review of the SWEEPS UST record indicates that two 400 gallon, regular unleaded USTs were installed at this facility. Tank status and activity were not reported. Based on the information noted above, the potential for environmental impacts from this Facility to the Site appears low.

This assessment has revealed the following:

- De Minimis Conditions<sup>2</sup> were not identified during preparation of this HSLA with the exception of the junkyard.
- Recognized Environmental Conditions (RECs) were not identified during preparation of this HSLA except the following:
  - A. Potential for impacted soil, soil gas, and groundwater to be present in the vicinity of the AST #3. During the site visit, evidences of leaking and stained soil were observed in the vicinity of this AST.

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<sup>2</sup> ASTM E1527-13 defines **de minimis condition** as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject an enforcement action if brought to the attention of appropriate governmental agencies."

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B. Based on the age of the building (pre-1979), there is a potential for shallow soil to be impacted by lead in the vicinity of the buildings from lead based paint (LBP) chips that were released to the soil.

- Historical RECs (HRECs) were not identified during the preparation of this HSLA. For definition of HRECs, see Section 3.1.
- Controlled RECs (CRECs) were not identified during the preparation of this HSLA. For definition of CRECs, see Section 3.1.

Potential concerns were identified consisting of residual pesticides and heavy metals (lead) in near surface soils from historical agricultural land uses and for naturally occurring asbestos to be present in the soil.

The table below provides a quick summary of areas at the Site that require No Further Action, are listed REC, HREC, or CREC, or are areas of potential concern. It also provides a quick summary of issues within the ROW that will require further investigation.

Report Section		No Further Action	REC	HREC/ CREC	Areas of Potential Concern	Further Investigation within ROW	Comments
4.6	Adjoining Property	X					
6.1	Standard Environmental Records Sources	X					
6.3.3	Naturally Occurring Asbestos				X	X	Site may be located near an area that is reportedly likely to contain naturally occurring asbestos in soil.
6.4.1	Historical Summary	X					
6.4.7	Other Environmental Reports	X					
7.3.1	Stained/Stressed Vegetation	X					Stained and/or stressed vegetation was not observed during the site reconnaissance.
7.3.2	Utilities	X					
7.3.3	Hazardous Substances and Petroleum Products Used or Stored On Site		X				AST #3 is used to store diesel fuel for the on-site tractors. Evidences of leaks on the AST and stained soils adjacent to the AST were observed during the site visit.
7.3.4	Storage and Disposal of Hazardous Waste.	X					Not observed during site reconnaissance.
7.3.5	Unidentified Substance Containers	X					Not observed during site reconnaissance.
7.3.6	Aboveground Storage Tanks (AST) and Underground Storage Tanks (USTs)		X		X	X	Three ASTs are present at the Site. Evidences of leaks on AST #3 and stained soils adjacent to the AST were observed during the site visit.

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**REIF FAMILY TRUST**

**2.0 EXECUTIVE SUMMARY**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Report Section		No Further Action	REC	HREC/ CREC	Areas of Potential Concern	Further Investigation within ROW	Comments
7.3.7	Evidences of Releases		X				Evidences of leaks on AST #3 and stained soils adjacent to the AST were observed during the site visit.
7.3.8	Polychlorinated byphenyls (PCBs)	X					No PCB containing equipment (i.e., transformers) were observed during the Site visit.
7.3.9	Stormwater/ Wastewater Systems	X					
7.3.10	Use of Pesticides on Site				X	X	Based on the agricultural history of the Site, NCE recommends collecting and analyzing surficial and shallow soils for potential persistent pesticides and metals from those areas of the Site that will be acquired by the District.
7.3.11	Pits and Impoundments	X					
7.3.12	Solid Waste	X					One portable toilet is located onsite and outside of the ROW.
7.3.13	Septic Systems	X					Septic systems are reportedly located in the vicinity of the two residences located adjacent to Sycamore Avenue. Given that the closest residence is located approximately 500-feet to the west of the ROW and assuming that the appropriate maintenance has been performed and that no hazardous chemicals have been introduced into the system, the potential for environmental impacts from the septic systems to the ROW appears low.
7.3.14	Wells	X					Two active water supply wells are located in the Tank house.

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**2.0 EXECUTIVE SUMMARY**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Report Section		No Further Action	REC	HREC/ CREC	Areas of Potential Concern	Further Investigation within ROW	Comments
7.3.15 and 7.3.16	Potential for Hazardous Building Materials (HBMs) including Lead Based Paint (LBP) and Asbestos Containing Material (ACM) to have Impacted Near Surface Soil.		X				Based on the age of the building (pre-1979), there is a potential for the structures to contain or to have contained LBP and ACM; however, because impacted soil related to HBMs is generally localized near the source (i.e., buildings), and the nearest building is located approximately 70-feet from the ROW, the potential for impacted soil related to HBMs to be present within the ROW appears low

**2.5 ROW Recommendations**

Recommendations included in this HSLA are only focused on those portions of the Site where the District is in the process of obtaining part fee acquisitions (i.e., ROWs), which are located outside of the areas where the improvements are located on the Site that may contain most of the environmental issues. Based on the results of this HSLA, NCE makes the following recommendations:

- 1) Because the potential exists for impacted soil gas related to the historical uses of AST #3 to be present within the ROW, NCE recommends that soil gas testing be performed. The objective of the soil gas testing would be to assess subsurface conditions for the presence of volatile organic compounds (VOCs) related to inadvertent releases of PHCs. The findings of this investigation can be used to focus future investigations, if warranted.
- 2) During future excavation, the Contractor should look for the presence of VOC-impacted soil. If identified, the impacted subsurface materials encountered should be separated from non-impacted materials, profiled, and disposed of at an appropriate off-site facility. It is also recommended that a soil management plan (SMP) be developed prior to the commencement of any excavation activities associated with the Project. The SMP would lay out criteria for recognizing suspect materials based on appearance, odor, etc., and would identify notification procedures. As a key element, the SMP would also outline sampling and analyses needed prior to disposing of or treating suspect materials.
- 3) Based on the agricultural history of the Site, NCE recommends sampling and testing of surficial and shallow soils within the ROW for persistent pesticides and metals.
- 4) Because naturally occurring asbestos may be present, NCE recommends sampling and testing surficial and shallow soils for asbestos.

Recommendations 3 and 4 are not conditional to property transactions or required by regulatory agencies, but will assist the user (i.e., the District) in making informed business decisions about the Site. In addition, with regard to Superfund liability, additional investigation can provide the user with a level of knowledge to satisfy the innocent landowner's defense under CERCLA.

## 2.6 Data Gaps

The following data gaps were identified during preparation of the HSLA:

- During the site visit, the interiors of the residential homes were not observed. The lack of information regarding the interiors of the residential homes does not appear to be significant based on the historical land use.

The Questionnaire was not returned by the owner of this Site and information provided by the current Site owner, Ms. Reif, was limited. In addition, interviews were not conducted with past owners. The lack of information regarding the historical activities may or may not be significant. Obtaining the answers to questions within the questionnaire is recommended.

### 3.0 INTRODUCTION

#### 3.1 Purpose

The objective of this HSLA is to identify, to the extent feasible pursuant to the process described in ASTM E1527-13, RECs, which are defined by ASTM as "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." The term is not intended to include de minimis conditions that generally do 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 are not RECs.

Identification of RECs will fall into three categories: existing REC (as defined above), HREC, or CREC.

- 1) HREC - An HREC is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls)."
- 2) CREC - A CREC is defined as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, AULs, institutional controls, or engineering controls)."

#### 3.2 Scope of Work

- 1) Reviewed background information, including parcel information, physical setting information (e.g. geologic maps), and documentation provided by the client, for the site (e.g., title records, other user-provided information), as applicable.
- 2) Performed a site reconnaissance (i.e., site visit) to document potential hazardous materials handling, storage, and disposal practices. In addition, the site visit documented areas of possibly contaminated surficial soil or surface water, possible sources of polychlorinated biphenyls (PCBs), chemical-containing USTs and ASTs, and possible sources of contamination from activities conducted at the site and adjacent properties.
- 3) Conducted a review of regulatory search information prepared by EDR of Shelton, Connecticut, subject to their limitations and disclaimers. The EDR Summary Radius Map Report is included as Appendix B.
- 4) Performed a review of the regional and local geology and hydrogeology.

- 5) Reviewed publicly-available historical sources of information pertaining to the Site, as available, such as historical city directories, historical aerial photographs, historical topographic maps, historical street directories, building department records, and a Sanborn fire insurance map report provided by EDR. Copies of this information are included in Appendix C.
- 6) Prepared this report documenting the findings of the HSLA and providing opinions and conclusions in general accordance with ASTM E1527-13. Copies of the qualifications of the preparers of this report are included in Appendix D.
- 7) Issued a Pre-Survey Questionnaire to the Site owner, Reif Family Trustees. The purpose of the questionnaire was to satisfy the user interview All Appropriate Inquiry (AAI) requirements and to disclose any previous or existing hazardous waste or toxic material conditions that may not have been apparent at the time of the site visit. A completed Pre-Survey questionnaire has not been returned to NCE.
- 8) Additional documentation required to prepare this report is included in Appendix E, including a Vapor Encroachment Screening Matrix (Section 6.2.1) and a Preliminary Title Report (Section 6.4.2), and a signed Right of Entry (ROE).

### 3.3 Significant Assumptions

Based upon documents reviewed, interviews with knowledgeable people, and a site reconnaissance, the following assumptions have been made regarding the site:

- 1) The site boundary was assumed to correspond with the parcel boundaries as indicated on provided maps, plats, or drawings. The parcels included in the site boundaries were assumed based on the site description, addresses, and acreage provided by the client.
- 2) Unless obviously inaccurate or if information exists to the contrary, NCE assumes that information collected during this HSLA (e.g. regulatory database information) is accurate and correct. Unless warranted, collected information has not been independently validated as part of this HSLA
- 3) A hydrogeological assessment was beyond the scope of work. Approximately 1.2 miles south of the Site, groundwater flow direction is estimated to be to the west northwest (See Section 6.3.3). Actual groundwater flow direction can be influenced by other factors and may be different.

### 3.4 Limitations and Exceptions

Information presented in this report does not confirm the presence or absence of subsurface contamination at the Site, but indicates whether the possibility of such contamination exists. Our professional opinions expressed herein are based on limited data; no other warranty is given or implied by this report. A more extensive assessment, that would include a surface and/or subsurface investigation and chemical analyses of soil and/or groundwater samples, would provide more definitive information concerning site-specific conditions. This report is complete and accurate to the extent that cited reports and agency information are complete and accurate.

This report has been prepared in general compliance with the ASTM standard entitled "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" E1527-13 as well as EPA's AAI rule.

The observations described in this report were made under the conditions stated herein. The conclusions presented in the report were based solely upon the services described therein, and not on scientific tasks or procedures beyond the scope of described services within the constraints imposed by the client. The work described in this report was carried out in accordance with the Terms and Conditions of the contract.

In preparing this report, NCE has relied on certain information provided by federal, state, and local officials and other parties referenced therein, and on information contained in the files of governmental agencies, that were readily available to NCE at the time of this assessment. Although there may have been some degree of overlap in the information provided by these various sources, NCE did not attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment. Observations were made of the Site and of the structures on the Site as indicated in this report. Where access to portions of the Site or to structures on the Site was unavailable or limited, NCE renders no opinion as to the presence of direct or indirect evidence relating to petroleum substances, hazardous substances, or both, in that portion of the Site and structure. In addition, NCE renders no opinion as to the presence of indirect evidence relating to hazardous material or oil, where direct observation of the ground surface, interior walls, floors, ceiling or a structure is obstructed by objects or materials, including snow, covering on or over these surfaces.

NCE does not represent that the Site referred to herein contains no petroleum or hazardous or toxic substances or other conditions beyond those observed by NCE during the site visit.

NCE has produced this document under an agreement between NCE and OP&C. All terms and conditions of that agreement are included within this document by reference. Any reliance upon this document, or upon NCE's performance of services in preparing this document, is conditioned upon the relying party's acceptance and acknowledgement of the limitations, qualifications, terms, conditions and indemnities set forth in that agreement, and property ownership/management disclosure limitations, if any. It is not to be relied upon by any party other than OP&C nor used for any purpose other than that specifically stated in our Agreement or within this Report's Introduction section without NCE's advance and express written consent.

### 3.5 Deviations

This report was prepared in general accordance with ASTM E1527-13. Based on the information gathered by NCE for the purposes of this assessment, it is our opinion that the data obtained from our reconnaissance, records reviewed, and/or interviews conducted, is adequate to make a conclusion on the environmental condition of the Site with respect to the existence or lack of RECs associated with the Site.

### 3.6 Special Terms

This HSLA did not include an evaluation of geotechnical conditions or potential geologic hazards. In addition, as indicated in Section 13.1.5 of ASTM E1527-13, the following, which is not intended to be all inclusive, represents out-of-scope items with respect to an HSLA and, therefore, were not addressed: asbestos, radon, lead-based paint (LBP), lead in drinking water, regulatory compliance, industrial hygiene, health and safety, indoor air quality (e.g., vapor intrusion), and biological agents. In addition, NCE did not address interpretations of zoning regulations, building code requirements, or property title issues.

### 3.7 Reliance

This report may be relied upon by, and is intended exclusively for the client and its assigns. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the above-referenced client is undertaken at said parties' sole risk.

This report has been prepared for use and reliance by the District and each of its participants, successors, and assigns with specific application to this HSLA report. This report has been prepared in accordance with the care and skill generally exercised by reputable professionals under similar circumstances at this or similar localities. No other warranty, either expressed or implied, is made as to the professional advice presented herein. No other party, known or unknown to NCE, is intended as a beneficiary of this work product, its contents or information embedded herein. Third parties use this report at their own risk. NCE cannot reasonably be expected to be responsible for the accuracy of information obtained from, compiled or provided by third-party sources, such as regulatory agency listings.

## 4.0 SITE DESCRIPTION

### 4.1 Location and Legal Description

The Site is located at 12280 Sycamore Avenue in San Martin, California 95046 (Plate 2). It is located between Sycamore Avenue, Church Avenue, and Amistad Lane, approximately 0.12 miles east of Highway 101. The Site consists of APNS 825-12-017 and -019. The Site occupies approximately 9.9 acres. The ROW consists of two units: a 9,263 square feet (0.21 acres) rectangle that borders the northeastern property line of the Site (northern ROW), and a crescent shape unit that is 1,795 square feet (0.04 acres) along the southeast boundary of the Site (southern ROW). The Preliminary Title Report is included in Appendix E.

### 4.2 Site Access Limitations

A ROE Agreement was provided to the District for access onto the Site.

### 4.3 Site and Vicinity Description

The Site is rectangular in shape. East Little Llagas Creek, a tributary of Llagas Creek, borders the eastern edge of the Site. The site vicinity is characterized as agricultural land with low density rural residential use.

### 4.4 Current Use of Property

The Site is currently being cultivated for agriculture use with low density rural residential housing. The primary residence on APN 825-12-019 is currently occupied by Ms. Reif. Two smaller residential units occupied by workers are located on APN 825-12-017 as well as an employee break structure on the northeastern property line of APN 825-12-017.

### 4.5 Description of Structures and Other Improvements

During the Site visit, the following items were observed:

- 1) **Western Area of APN 825-12-019:** A primary residence is located here with a driveway, garage, and one story house. This feature is first observed in aerial images between 1968 and 1974. No building permits are on file for the Site.
- 2) **Northeastern Area APN 825-12-017:** Two small residential units and associated sheds are located in this area; a tank house and suspected well adjoins the easternmost residential unit. A portable toilet also adjoins these units and is located against the western most home. Additionally, two ASTs (AST #1 and #2) are stored in this vicinity. AST #1 is approximately 500 gallons and stored on bare soil while AST #2 is approximately 550 gallons and stored on a trailer. **It is NCE's understanding that** AST #1 is propane tank, and AST #2 is used for the storage of water. AST #2 is within the northern ROW and AST #1 is approximately 50 feet east of the northern ROW. No building permits are on file for the Site.
- 3) **Northwestern Area APN 825-12-017:** An employee break structure and AST #3 are located here. AST #3 is a diesel fuel tank with an approximate volume of 550 gallons and is stored on wooden planks above bare soil. This tank has signs of stained vegetation/soil and appeared to be leaking fluids.

**4.0 SITE DESCRIPTION**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

- 4) **Central Northern Area APN 825-12-017:** A “junkyard” area approximately 9,583 square feet (0.22 acres). The yard appears to be used for the storage miscellaneous unused vehicles, machinery, and spare parts.

**4.6 Adjoining Property Information**

The table below describes the current uses of the properties surrounding the Site.

<b>Direction From Site</b>	<b>Adjacent Properties</b>	<b>Use</b>
North	The Site’s northern boundary is defined by APN 825-12-020.	Rural Residential/ Agricultural
East	The Site’s eastern boundary is defined by East Little Llagas Creek. Further east is land that is being used for agriculture and rural residential.	Rural Residential/ Agricultural
South	The Site’s southern boundary is defined by Church Avenue. Further south is land that is being used for agriculture and rural residential.	Rural Residential/ Agricultural
West	The Site’s western boundary is defined by Sycamore Avenue. Further west is Highway 101 and a truck weigh station. Directly adjacent to the Site is a SWEEPS UST (12305 Sycamore 152 feet northwest of Site).	Rural Residential/ Agricultural; transportation

## 5.0 USER PROVIDED INFORMATION

### 5.1 Specialized Knowledge

The District had no specialized knowledge or experience pertaining to the Site that is material to identifying RECs. Based on information obtained during a telephone interview on July 28, 2016, Ms. Reif was not aware of RECs at the Site.

### 5.2 Valuation Reduction for Environmental

In a transaction involving the purchase of a parcel of commercial real estate, the user is required to consider the relationship of the purchase price of the property to fair market value of the property if the property was affected by hazardous substances or petroleum products. NCE would need to be provided this information to access the relationship of the purchase price to the fair market value of the Site.

### 5.3 Owner, Property Manager, and Occupant Information

A review of a Preliminary Title Report shows Leona M. Reif, as Trustee of the Reif Family Trust, as the current property owners (Appendix A). A Pre-Survey Questionnaire was not returned by the property owner with previous ownership information.

### 5.4 Reason for Performing Phase I HSLA

It is our understanding that the HSLA was conducted as a part of the due diligence in evaluating the Site in connection with properties proposed for purchase (partial acquisition in fee) by the District for the Project. The proposed District purchase is required for water management and/or storm water drainage activities to construct, reconstruct, inspect, maintain, and repair a channel, and appurtenant structures, including, but not limited to, the installation, removal, maintenance, and replacement of vegetation or other materials for mitigation purposes.

**6.0 RECORDS REVIEW**

**6.0 RECORDS REVIEW**

**6.1 Standard Environmental Records Sources**

NCE conducted a review of regulatory search information prepared by EDR (2016a), subject to their limitations and disclaimers. The EDR Summary Radius Map Report is included as Appendix B. The search was conducted to evaluate whether or not the Site or properties within the vicinity of the Site are listed on federal, state, or local databases as having experienced unauthorized releases of hazardous substances or other events that resulted in a REC to the Site. Databases that are reviewed in this report are sufficiently useful, complete in light of the objective of the records review, and present information that is reasonably ascertainable. Off-site facilities are discussed if they are considered to be a potential RECs to the Site based on distance and orientation to the Site, and/or relative to the local or regional groundwater flow direction. Based on our review of available groundwater data, discussed in Section 6.3.3 of this report, groundwater flow in the site vicinity is generally to the west-northwest.

A summary of the environmental databases searched, their corresponding search distance, and number of noted properties of environmental concern are presented in the table below titled *Map Findings Summary*. The following detail tables titled *Detail Summary* describe the facilities that are noted properties of environmental concern and include a discussion of the regulatory status of the facilities and potential environmental impact to the Site.

**Regulatory Database Listing for the Site:**

Review of the environmental database report obtained for this project indicates that the Site is not listed on any of the regulatory databases researched by EDR.

**Regulatory Listings for Off-Site Properties:**

Shown in the **Map Findings Summary** table below is a list of the databases searched by EDR.

**Map Findings Summary**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8-1/4	1/4-1/2	1/2-1	> 1	Total Plotted
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL Liens		0.001	0	NR	NR	NR	NR	0
Delisted NPL		1	0	0	0	0	NR	0
Federal Facility		0.5	0	0	0	NR	NR	0
CERCLIS		0.5	0	0	0	NR	NR	0
CERCLIS-NFRAP		0.5	0	0	0	NR	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		0.5	0	0	0	NR	NR	0
RCRA-LQG		0.25	0	0	NR	NR	NR	0
RCRA-SQG		0.25	0	0	NR	NR	NR	0
RCRA-CESQG		0.25	0	0	NR	NR	NR	0
LUCIS		0.5	0	0	0	NR	NR	

**PHASE I HAZARDOUS SUBSTANCE LIABILITY ASSESSMENT (HSLA)**

**REIF FAMILY TRUST**

**6.0 RECORDS REVIEW**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8-1/4	1/4-1/2	1/2-1	> 1	Total Plotted
US ENG CONTROLS		0.5	0	0	0	NR	NR	0
US INST CONROL		0.5	0	0	0	NR	NR	0
ERNS		0.001	0	NR	NR	NR	NR	0
RESPONSE		1	0	0	0	0	NR	0
ENVIROSTOR		1	0	0	0	0	NR	0
SWF/LF		0.5	0	0	0	NR	NR	0
LUST		0.5	0	0	0	NR	NR	0
INDIAN LUST		0.5	0	0	0	NR	NR	0
SLIC		0.5	0	0	0	NR	NR	0
HIST LUST		0.5	0	0	0	NR	NR	0
FEMA UST		0.25	0	0	NR	NR	NR	0
UST		0.25	0	0	NR	NR	NR	0
AST		0.25	0	0	NR	NR	NR	0
INDIAN UST		0.25	0	0	NR	NR	NR	0
INDIAN VCP		0.5	0	0	0	NR	NR	0
VCP		0.5	0	0	0	NR	NR	0
BROWNFIELDS		0.5	0	0	0	NR	NR	0
US BROWNFIELDS		0.5	0	0	0	NR	NR	0
WMUDS/SWAT		0.5	0	0	0	NR	NR	0
SWRCY		0.5	0	0	0	NR	NR	0
HAULERS		0.001	0	NR	NR	NR	NR	0
INDIAN ODI		0.5	0	0	0	NR	NR	0
ODI		0.5	0	0	0	NR	NR	0
DEBRIS REGION 9		0.5	0	0	0	NR	NR	0
US HIST CDL		0.001	0	NR	NR	NR	NR	0
HIST Cal-Sites		1	0	0	0	0	NR	0
SCH		0.25	0	0	NR	NR	NR	0
CDL		0.001	0	NR	NR	NR	NR	0
Toxic Pits		1	0	0	0	0	NR	0
US CDL		0.001	0	NR	NR	NR	NR	0
SWEEPS UST		0.25	1	0	NR	NR	NR	1
HIST UST		0.25	0	0	NR	NR	NR	0
CA FID UST		0.25	0	0	NR	NR	NR	0
LIENS		0.001	0	NR	NR	NR	NR	0
LIENS 2		0.001	0	NR	NR	NR	NR	0
DEED		0.5	0	0	0	NR	NR	0
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
RCRA NonGen/NLR		0.25	0	0	NR	NR	NR	0
FUDS		1	0	0	0	0	NR	0
DOD		1	0	0	0	0	NR	0

**PHASE I HAZARDOUS SUBSTANCE LIABILITY ASSESSMENT (HSLA)**

**REIF FAMILY TRUST**

**6.0 RECORDS REVIEW**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8-1/4	1/4-1/2	1/2-1	> 1	Total Plotted
SCRD		0.5	0	0	0	NR	NR	0
DRYCLEANERS								
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		0.25	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	0	0	0	NR	0
ROD		1	0	NR	NR	NR	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		0001	0	NR	NR	NR	NR	0
COAL ASH DOE		0.001	0	NR	NR	NR	NR	0
COAL ASH EPA		0.5	0	0	0	NR	NR	0
PCB		0.001	0	NR	NR	NR	NR	0
TRANSFORMER								
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	0	0	0	0	NR	0
INDIAN RESERV		0.001	0	NR	NR	NR	NR	0
UMTRA		0.5	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		0.25	0	0	NR	NR	NR	0
FINDS		0.001	0	NR	NR	NR	NR	0
CA BOND EXP PLAN		1	0	0	0	0	NR	0
Cortese		0.5	0	0	0	NR	NR	0
CUPA Listings		0.25	0	0	NR	NR	NR	0
DRYCLEANERS		0.25	0	0	NR	NR	NR	0
EMI		0.001	0	NR	NR	NR	NR	0
ENF		0.001	0	NR	NR	NR	NR	0
Financial Assurance		0.001	0	NR	NR	NR	NR	0
HAZNET		0.001	0	NR	NR	NR	NR	0
HIST CORTESE		0.5	0	0	0		NR	0
HWP		1	0	0	0	0	NR	0
HWT		0.25	0	0	NR	NR	NR	0
MINES		0.001	0	NR	NR	NR	NR	0
MWMP		0.25	0	0	NR	NR	NR	0
NPDES		0.001	0	NR	NR	NR	NR	0
PEST LIC		0.001	0	NR	NR	NR	NR	0

**6.0 RECORDS REVIEW**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8-1/4	1/4-1/2	1/2-1	> 1	Total Plotted
PROC		0.5	0	0	0	NR	NR	0
Notify 65		1	0	0	0	0	NR	0
SAN JOSE HAZMAT		0.25	0	0	NR	NR	NR	0
UIC		0.001	0	NR	NR	NR	NR	0
WASTEWATER PITS		0.5	0	0	0	NR	NR	0
WDS		0.001	0	NR	NR	NR	NR	0
WIP		0.250	0	0	NR	NR	NR	0
EDR MGP		1	0	0	0	0	NR	0
EDR Hist Auto		0.250	0	0	NR	NR	NR	0
EDR Hist Cleaner		0.250	0	0	NR	NR	NR	0
RGA LF		0.001	0	NR	NR	NR	NR	0
RGA LUST		0.001	0	NR	NR	NR	NR	0

One off-site property was listed on various regulatory databases searched by EDR. Information provided by local and state agencies including the **DTSC's Envirostor website** and the **SWRCB's Geotracker website** were also reviewed regarding the presence of hazardous materials or impacted groundwater beneath the Site from adjoining and nearby facilities. Details regarding the off-site property are discussed in the **Detail Summary** table below.

**Detail Summary**

<b>Site Name:</b>	<b>UNKNOWN</b>
<b>Databases:</b>	SWEEPS UST
<b>Address:</b>	12305 Sycamore Avenue
<b>Distance:</b>	152-Feet
<b>Direction:</b>	Northwest (Is this upgradient, downgradient or cross-gradient relative to the Site?)
<b>Elevation:</b>	3-feet higher than the Site
<b>Comments:</b>	Review of the SWEEPS UST record indicates that two 400 gallon, regular unleaded USTs were installed at this facility. Tank status and activity were not reported. This facility is not listed on Envirostor or Geotracker. Based on this information and this facility's downgradient position in relation to the Site, the potential for environmental impacts from this Facility to the Site appears low.

**6.2 Additional Environmental Record Sources**

On May 16, 2016, NCE contacted Mr. **Gerald O'Regan**, an Environmental Health Geologist with Santa Clara County Department of Environmental Health (DEH), regarding hazardous materials or hazardous waste records associated with the Site. The DEH had no records on file for the site address. **In addition, NCE reviewed the DTSC's Envirostor database and the SWRCB's Geotracker database for information regarding hazardous materials or hazardous waste records associated with the Site and relevant surrounding properties.** Information gleaned from these sources was incorporated into this report. The Site was not listed on the EDR databases, Envirostor, or Geotracker.

### 6.2.1 Vapor Encroachment

NCE conducted a preliminary vapor encroachment screen (pVES) for potential chemicals of concern (COC). The pVES was based on the guidelines presented in ASTM E2600-10 *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. The purpose of the pVES is to identify a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in sub-surface soils at the Site as a result of a release of vapors from contaminated soil or groundwater either on or near the Site. The pVES included performing a Search Distance Test to identify if there are any known or suspect contaminated sites surrounding or up-gradient of the Site within specific search radii, a COC test (for those known or suspect contaminated sites identified within the Search Distance Test to evaluate whether or not COC in a contaminated plume may be within the critical distance of the Site (100-feet for non-PHC contaminants, and 30-feet for petroleum hydrocarbon contaminants).

A copy of the PVES is included in Appendix E. A VEC cannot be ruled out because the potential exists for leaks and/or spills related to the historical uses of AST #3 or have occurred. As a result, it is also probable for a VEC condition associated with AST # 3 to be present; however, because the Project is not expected to include the construction of buildings, the vapor intrusion to indoor air from the migration of volatile chemicals in the subsurface does not appear to represent a concern to the Site.

In regards to off-site facilities, review of the EDR Summary Radius Map Report (Appendix B) indicates there is a PHC-related facility located 12305 Sycamore Avenue, approximately 152-feet to the northwest in a downgradient position relative to the Site. This facility was not listed on the DTSC's Envirostor website or the SWRCB's Geotracker website. Based on this information, its downgradient position, and relatively large distance from the Site (distance greater than 30-feet), it appears unlikely that a VEC condition associated with that facility exists beneath the Site.

## 6.3 General Site Setting

The following sections include discussions of topographic, geologic, and hydrogeologic conditions in the vicinity of the Site, based on our document review and our visual reconnaissance of the site and adjoining areas.

### 6.3.1 Topography

Based on a review of the United States Geological Survey (USGS), Gilroy Quadrangle, California, 7.5 minute quadrangle map, 2012, this location is situated at an elevation of approximately 263 feet above mean sea level (amsl). The site topography is relatively flat with a slight slope to the south.

### 6.3.2 Surface Water Bodies

No natural surface water bodies, including ponds, streams, or other bodies of water, are present on or adjacent to the Site with the exception of East Little Llagas Creek, which borders the Site to the west.

### 6.3.3 Geology and Hydrology

#### Regional Geology

San Martin is located in the southern portion of the Santa Clara Valley in central California. The northwest trending, 20 mile long alluvial basin is located within the zone of structural deformation of the San Andreas and Calaveras faults systems (Applied Science Technology (AST), 2011).

Helley (1979) states that the material underlying the northern portion of the Morgan Hill area consists of Late Pleistocene alluvium deposited by ancient alluvial fans and/or ancient stream channels. The deposits consist of weakly consolidated, slightly weathered, poorly sorted, irregular inter-bedded clay, silt, sand and gravel and have a maximum thickness of 150-feet. The late Pleistocene deposits are underlain by older alluvium to a maximum depth of approximately 3 to 5 kilometers (km) and the older alluvium is underlain by Franciscan Complex bedrock.

According to McLaughlin et al. (2002), the Santa Cruz Mountains west of Morgan Hill are composed of both Cretaceous and Tertiary metamorphic and sedimentary rocks, including Jurassic serpentinitized Ultramafic rocks (Jos) associated with the Coast Range ophiolite (Ute); Upper Cretaceous Melange (Franciscan Complex) consisting of sheared and altered metasediments, meta-siltstones, and blueschist rocks (fm); Lower Cretaceous volcanic rocks, consisting of pillowed basalts, flow breccias and andesitic tuff (fpv); Lower Cretaceous Radiolarian chert (fmc); Upper and Lower Cretaceous Foraminiferal limestone (fpi); and Miocene silica-carbonate rocks associated with hydrothermal alteration of serpentine and rich in mercury and arsenic (sc). Most of these rocks are highly sheared and altered and associated with the Franciscan Complex and Sargent Fault-Berrocal Fault and San Andreas Fault Zones. These western hills are rapidly being uplifted and eroded and the eroded sediment is transported east into the southern Santa Clara Valley.

Soils encountered during well installation activities at a private residence (11595 Center Avenue, Gilroy, California) located approximately 1.2 miles to the south of the Site were generally characterized as (Geotechnical and Environmental Consultants [GEC], 2011):

**"Fine grained sediments of clay and sandy clays that extended approximately to a depth of (40)-feet below existing ground surface (bgs). These sediments were moist, very stiff and hard. Below this depth clayey sandy gravels and rock fragments were encountered and extended to the depth of the borings below the existing ground surface (bgs). These materials were moist and dense to very dense and the exploratory borings were terminated at a depth of (65), (75) and (85)-feet below the existing ground surface."**

According to the California Geological Survey<sup>3</sup>, "chrysotile and amphibole asbestos (such as tremolite) occur naturally in certain geologic settings in California, most commonly in association with ultramafic rocks and along associated faults. Asbestos is a known carcinogen and inhalation of asbestos may result in the development of lung cancer or mesothelioma." Review of the California Department of Conservation's Divisions of Mines and Geology August 2000 document entitled *"A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos"* indicates that the Site is located near an area that is likely to contain naturally occurring asbestos. Based on this information, there is a potential for soil at the Site to contain naturally occurring asbestos.

<sup>3</sup> [http://www.conservation.ca.gov/cgs/minerals/hazardous\\_minerals/asbestos](http://www.conservation.ca.gov/cgs/minerals/hazardous_minerals/asbestos)

## **6.0 RECORDS REVIEW**

### **Regional Hydrogeology**

East Little Llagas Creek located adjacent to and west of the Site is the nearest surface water body. It is an intermittent stream whose headwaters rise on the eastern side of Crystal Peak near Loma Prieta, California. The creek flows southward and eventually joins the Pajaro River at the San Benito County line. Topographically, the boundary between the Coyote Creek and Pajaro River drainage basins is the apex of the Morgan Hill alluvial fan (District 2012). Coyote Creek drains to San Francisco Bay and the Pajaro River drains to the Pacific Ocean. This drainage divide generally corresponds with the groundwater divide that forms the northwestern hydrogeologic boundary of the Gilroy-Hollister groundwater basin. The basin itself consists of alluvial deposits of the headwater tributaries to the Pajaro River including Llagas Creek.

The groundwater flows at the private residence noted above in the last section were determined to be to the west-northwest at a gradient of approximately 0.007 feet per foot (ft/ft ; GEC, 2011). This residence is within the same subbasin (Llagas Subbasin, DWR Subbasin 3.301) as that of the Site (i.e., Gilroy-Hollister groundwater basin). The groundwater elevation measured in five wells at the residence has ranged from 220.80 to 222.22 feet amsl, or approximately 50-feet below the ground surface (bgs).

## **6.4 Historical Use**

### **6.4.1 Historical Summary**

NCE conducted a historical record search for the Site. This included a review of one or more of the following resources that were found to be both reasonable ascertainable and useful for the purposes of this HSLA: title records, historical city directories, historical aerial photographs, historical fire insurance maps, historical topographic maps, building department records, land use records, interviews with property representatives (as available) regarding the site. The following sections summarize information obtained from the historical sources utilized for this assessment. Copies of historical research documentation such as fire insurance maps, building permit reports, historical topographic maps, and historical aerial photographs are included in Appendix D.

Although one or more of the sources listed above provided limited information regarding the historical use of the site, the information gathered from the sources reviewed as a whole is adequate to develop a history of the previous uses of the parcels associated with the Site and the surrounding area in accordance with Section 8.3 of ASTM E1527-13. NCE conducted a historical record search for both the Site and the surrounding areas. Based on the review of historical documents, including the historical city directories and historical aerial photographs, the potential for environmental impacts from off-site sources appears low.

### **6.4.2 Title Records**

A preliminary Title report (PTR) was provided to NCE for review and is included in Appendix E. According to the title report, the site owner is listed as Leona M. Reif, as Trustee of the Reif Family Trust.

### 6.4.3 City Directories

NCE reviewed available historical city directories through EDR (2016b) for occupant listings for the Site address 12280 Sycamore Avenue from 1975 through 2013. Copies of the City Directories are provided in Appendix D. No occupants are recorded as occupying the Site in the referenced historical city directories.

### 6.4.4 Aerial Photographs

NCE reviewed historical aerial photographs of the site provided by EDR (2016c). Aerial photographs frequently provide visual documentation of site conditions at the time of the photographs. A summary of the photographs reviewed and site comments are presented in the table on the next page. Copies of the historical aerial photographs are provided in Appendix C.

#### Summary

Date(s)	Property Comments	Surrounding Area Comments
1939	<ul style="list-style-type: none"> <li>The Site was being cultivated for orchards.</li> <li>East Little Llagas cuts through the parcels.</li> <li>There is a large patch of cleared land in the northeast corner of APN 825-12-017.</li> <li>Resolution is low, but it appears the homestead in the adjacent lot that borders the southern portion of the Site is established (APN 825-12-018).</li> <li>Settlement at 12305 Sycamore is faintly apparent (SWEEPS UST; 152 ft. NW of Site)</li> </ul>	The area is mostly surrounded by orchards, although there are a few small homesteads.
1940	No significant changes noted.	No significant changes noted.
1950	<ul style="list-style-type: none"> <li>The adjacent house in the parcel south of the Site is clearly established and appears to be drawing water directly from East Little Llagas Creek.</li> <li>The cleared patch of land in the northeast corner of 825-12-17 is much smaller this year.</li> <li>There is possibly a vehicle parked in the northeast corner of APN 825-12-017.</li> <li>Settlement at 12305 Sycamore is established (SWEEPS UST; 152 ft. NW of Site)</li> <li>Land is still being cultivated for orchards.</li> </ul>	No significant changes noted.

**PHASE I HAZARDOUS SUBSTANCE LIABILITY ASSESSMENT (HSLA)  
REIF FAMILY TRUST**

**6.0 RECORDS REVIEW**

**LLAGAS CREEK FLOOD PROTECTION PROJECT**

Date(s)	Property Comments	Surrounding Area Comments
1956	<ul style="list-style-type: none"> <li>The cleared patch of cleared land in northeast corner of APN 825-12-017 is large again in this year.</li> <li>Otherwise, no significant changes.</li> </ul>	No significant changes noted.
1968	<ul style="list-style-type: none"> <li>The Site was being cultivated for orchards.</li> <li>Resolution is poor, but it appears a small homestead is located where the current house is located on APN 825-12-019.</li> <li>A small homestead appears to be in the area previously seen as cleared land, and where the current residential site is located on APN 825-12-017.</li> </ul>	The area is mostly surrounded by orchards although non-orchard agriculture and rural residential development has increased.
1974	<ul style="list-style-type: none"> <li>The house on APN 825-12-019 is clearly established.</li> <li>Two structures are seen in the current location of the residential units on APN 825-12-017 in addition to a third structure seen near, but not in the same location, where the current employee break structure is located.</li> <li>The man-made canal along East Little Llagas Creek is visible.</li> <li>Highway 101 is established</li> <li>Land is still being cultivated for orchards.</li> </ul>	Many of the surrounding orchards have been removed and replaced with row-crops or empty fields; rural residential housing has increased.
1982	<ul style="list-style-type: none"> <li>Little evidence of the historical path of East Little Llagas Creek evident across the parcels.</li> <li>The employee structure is established in the current location along the northwest boundary of APN 825-12-017.</li> <li>Orchards have been cleared on the Site and replaced with row-crops</li> </ul>	Most of the surrounding orchards have been removed and replaced with row-crops or empty fields; rural residential housing has increased.
1993	Image resolution insufficient to distinguish any changes.	Image resolution insufficient to distinguish any changes.

Date(s)	Property Comments	Surrounding Area Comments
1998	<ul style="list-style-type: none"> <li>The truck weigh station along Highway 101 and 0.05 miles of the Site is established.</li> <li>The development on the parcel directly south of the Site has increased and appears to access East Little Llagas Creek on a dirt road that transects APN 825-12-017</li> </ul>	Virtually all of the of the surrounding orchards have been removed and replaced with row-crops, empty fields, or horse and/or small livestock use; rural residential housing continues to increase.
2005	There is a dirt patch approximately 200-feet by 200-feet in the northeast section of APN 825-12-017; parked vehicles and scattered materials can be seen in this area.	Rural residency housing density has increased.
2006	The current junkyard is visible and occupies an area approximately 0.18 acres.	No significant changes noted.
2009	AST #3 is faintly recognizable, but is clearly visible on Google Earth Pro Historical Imagery in 2009 (Google Earth 9/29/2009).	No significant changes noted.
2010	No significant changes noted.	No significant changes noted.
2012	No significant changes noted.	No significant changes noted.
2015	EDR does not have an aerial image for this year included in their report, but Google Earth Pro (Google, 3/28/2015) shows AST #2 in its current location.	No significant changes noted.

As noted above, the historical aerial photographs review indicates that, as early as at least 1939, the Site has been used for agricultural land uses. According to the DTSC (2010), **organochlorine pesticides (OCPs) "have a widespread use in the United States, primarily between the 1940s and 1970s."** During this time period, OCPs were used for public health vector control, agricultural crop production, and pest control around structures. Although most OCPs were banned or withdrawn from use in the 1970s, these compounds persist in the environment today. According to the San Francisco Bay RWQCB (2016), dichlorodiphenyltrichloroethane (DDT) was used to a far greater extent than dichlorodiphenyldichloroethane (DDD) and dichlorodiphenyldichloroethylene (DDE), breakdown products of DDT.

Concerning the agricultural history of the Site, agricultural areas can become impacted with elevated concentrations of pesticides and heavy metals as a result of the former application of agricultural chemicals. Certain OCPs, DDT for example, are extremely persistent in the environmental and residual pesticide in surface soils are consequently a possible contaminant on former orchard agricultural sites. Based on this information, residual pesticides and heavy metals in near surface soils from the historical agricultural land uses represent a potential concern at the Site.

**6.0 RECORDS REVIEW**

**6.4.5 Sanborn/Historical Maps**

NCE requested historic fire insurance rate maps (Sanborn Maps) of the Site through EDR. Sanborn Map coverage was not available for the Site. A copy of EDR's (2016d) Sanborn Map Report is provided in Appendix C.

**6.4.6 Historical Topographic Maps**

NCE reviewed historical topographic maps of the site provided by EDR (2016e). A listing of the maps reviewed is presented in the table on the next page. Copies of the historical topographic maps are provided in Appendix C.

**Summary**

Date(s)	Quad	Property Comments	Surrounding Area Comments
1917	Morgan Hill, 15 minute	East Little Llagas creek is mapped as dissecting APN 825-12-019.	The neighboring southern structures and adjacent UST structure are not mapped.
1939	Morgan Hill, 15 minute	The area is mapped as orchard; an unimproved dirt road is mapped from the center of the northern border of APN 825-12-019 where it meets East Little Llagas Creek and terminates at Columbet Avenue.	The neighboring southern structure is mapped; the surrounding area is mapped as orchard.
1955	Gilroy, 7.5-minute	The unimproved dirt road is no longer mapped on the Site.	The adjacent UST at 12305 Sycamore is mapped. There is an unidentified symbol that resembles a cloud near the UST address; no record of this symbol can be found in both historical and current USGS Topographic Map Symbolology.
1968	Gilroy, 7.5-minute	Three structures are mapped on Site in purple. Purple was historically used as a revision color to show all feature changes and is no longer used.	Three purple structures have been added to the neighboring southern parcel.
1973	Gilroy, 7.5-minute	Highway 101 is mapped within 0.10 miles for the Site.	No significant changes noted.
1981	Gilroy, 7.5-minute	Orchards no longer present.	Orchards no longer present.
1993	Gilroy, 7.5-minute	No significant changes noted.	East Little Llagas Creek is mapped in hatched purple as a perennial stream.
2012	Gilroy, 7.5-minute	Nothing mapped in the Site.	No significant changes noted.

#### 6.4.7 Other Environmental Reports

NCE was not provided with or found any readily available reports associated with the Site. NCE reviewed several reports related to adjoining and/or nearby parcels that were reasonably ascertainable and useful for purposes of this assessment. The information gleaned from these reports was incorporated into various sections of this report.

#### 6.4.8 Building Department Records

NCE requested a Building Permit Report from EDR (2016f). The Report provides a summary of the results of a search of building department records for indications of environmental conditions. The report was generated via a search of municipal building permit record gathered from the Santa Clara County Development Services Office; Morgan Hill; City of Gilroy Building Department; City of Redding Development Services, Building Division; and San Bernardino County Land Use, Building, and Safety. No permits are on record for the Site.

#### 6.4.9 Other Land Use Records

NCE made a request to DEH regarding the Site and reviewed readily available information on the DTSC's Envirostor database and the SWRCB's database. A summary of NCE's request to DEH is present in Section 6.2 of this report. The findings of the database reviews have been incorporated into various sections of this report.

#### 6.5 Environmental Liens and Activity/Use Limitations

The scope included reviewing lien information provided by EDR (2016g). The EDR Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls. No indications of environmental cleanup liens and/or activity and use limitations were listed in the report, which can be found in Appendix C.

## 7.0 SITE RECONNAISSANCE

### 7.1 Methodology and Limiting Conditions

On March 21, 2016, NCE performed visual and/or physical observations of the Site and immediately adjoining properties. The weather conditions at the time of the reconnaissance were partly cloudy skies, with no weather-induced limitations to NCE's reconnaissance. Photographs taken as part of the reconnaissance are provided on Plates 3A through 3E.

### 7.2 General Site Setting

The Site abuts Church Avenue to the south and is located between Sycamore Avenue to the west and Amistad Lane to the east, approximately 0.12 miles east of Highway 101. East Little Llagas Creek, a tributary of Llagas Creek, borders the eastern edge of the Site. The site location and the site vicinity with additional information concerning the Site and surrounding properties are presented as Plate 2. As shown on Plate 2, the Site is accessible from Sycamore and Church Avenues. At the time of the site visit, the Site was being cultivated for agricultural use and consisted of three residential houses and one employee break structure.

### 7.3 Site Visit Findings

#### 7.3.1 Stained/Stressed Vegetation

NCE observed stained soil near AST #3. NCE did not observe stained pavement or stressed vegetation.

#### 7.3.2 Utilities

Electrical service is provided to the Site by Pacific Gas & Electric (PG&E). According to Ms. Reif, during a telephone conversation on July 28, 2016, two active water supply wells used to supply water to the Site are located in the tank house. In addition, the primary residence appeared to be connected to natural gas. In addition, as discussed in more detail in Section 7.3.9, in south Santa Clara Valley, septic systems and water are generally provided on-site.

#### 7.3.3 Hazardous Substances and Petroleum Products Used or Stored on Site

As noted above, AST #3 is used to store diesel and is located on wooden planks above bare soil. During the site visit, this AST appeared to be leaking fluids and areas of stained soil was observed adjacent to the AST. Reportedly, AST #1 is used to store propoane and AST #1 was used in the past to store water.

#### 7.3.4 Storage and Disposal of Hazardous Waste

NCE did not observe the storage or disposal of other hazardous wastes on Site.

#### 7.3.5 Unidentified Substance Containers

NCE did not observe unidentified substance containers on the Site.

### **7.3.6 Aboveground Storage Tanks (ASTs) and Underground Storage Tanks (USTs)**

The following three ASTs were observed on the Site:

- 1) AST #1, an approximately 500 gallon tank, located on bare soil just east of the easternmost residential structure, approximately 50-feet to the west of the northern ROW. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST is used to store propane. No signs of leakage, spillage, or contamination associated with this tank were observed.
- 2) AST #2, an approximately 550 gallon tank located approximately 50-feet to the east of AST #1 and within the northern ROW. This AST is stored on a truck flat bed. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST was used to store water, but is not presently being used.
- 3) AST #3, an approximately 500 gallon tank, located in the northwestern portion of APN 825-12-017, approximately 270-feet to the southwest of the northern ROW. This AST is used to store diesel and is located on wooden planks above bare soil. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, the diesel is used to fuel the tractors. During the site visit, this AST appeared to be leaking fluids and areas of stained soil was observed adjacent to the AST. Review of Google Earth Pro Historical Imagery indicates that AST #3 (diesel) on APN 825-12-017 has been present at its current location since at least 2009.

No physical evidences of USTs such as vent pipes, pump dispensers, fill pipes, access manholes or ancillary equipment, generally representative of USTs, were observed at the Site.

### **7.3.7 Evidence of Releases**

As noted above, evidence of releases from what appeared to be diesel was observed at AST #3. No other evidence of releases such as stained pavement or stressed vegetation was observed on the Site.

### **7.3.8 Polychlorinated Biphenyls (PCBs) Containing Equipment**

PCBs can be present in coolants or lubricating oils used in older electrical transformers, hydraulic systems, and other similar equipment. The 1976 Toxic Substances Control Act (TSCA) extended regulatory control over the use of PCBs to the EPA. In November 1979, the EPA generally prohibited the domestic manufacture of PCBs in electromagnets, transformers, and heat-transfer and hydraulic equipment. If present, features such as transformers, are inspected for obvious leaks and physical evidence such as stains or cracks indicating possible current or past leaks.

Evidence of PCB-containing equipment (e.g., transformers) was not observed on the Site.

### **7.3.9 Stormwater/Wastewater Systems**

Wastewater and/or stormwater systems were not observed on the Site. According to the Local Agency Formation Commission of Santa Clara County website<sup>4</sup>, the majority of San Martin does not receive sewer service or water service. Generally, wastewater is managed onsite through individual septic systems and water is provided onsite through individual and shared wells. Evidence of septic systems was not observed on the Site, but is suspected to be present.

<sup>4</sup> <http://www.santaclaralafco.org/>

### 7.3.10 Use of Pesticides On Site

Equipment possibly associated with the use of pesticides was observed during the site reconnaissance (Plates 3b through 3c), but their current use could not be confirmed. Historical Site use suggests that shallow soils may have been impacted by pesticides. Accordingly, as noted in Section 6.4.4, residual pesticides and heavy metals in near surface soils from the historical agricultural land uses represent a potential concern at the Site.

### 7.3.11 Pits and Impoundments

Pits, ponds, sumps, oil/water separators, or impoundments were not observed on the Site.

### 7.3.12 Solid Waste

One portable toilet was observed on the Site and appeared to be in active use.

### 7.3.13 Septic Systems

According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, septic systems are present in the vicinity of the two residential buildings located in the western portion of the Site. **Review of the District's (2011) November 2011 document entitled *A Guide for the Private Well Owner*** indicates that a 100-foot setback between a water supply well and a septic system "provides relatively good protection against bacteria and viruses when it is working properly." Based on this information, given that the closest residential building is located approximately 500-feet to the west of the ROW and assuming that the appropriate maintenance has been performed and that no hazardous chemicals have been introduced into the system, the potential for environmental impacts from the septic systems to the ROW appears low.

### 7.3.14 Wells

According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, two active water supply wells are located in the tank house and currently used to supply water to the site. The tank house adjoins the easternmost house on APN 825-12-017. It is located approximately 85-feet to the east of the northern ROW.

### 7.3.15 Lead-Based Paint (LBP)

The painted surfaces on the residential houses within the northern portion of the Site may have contained and/or contain lead-based paint (LBP). Testing for the presence of LBP was not included in the scope of work for this investigation. These structures appear in aerial images prior to 1979, which suggests they are likely to contain or to have contained LBP. The nearest residential house is approximately 75-feet from the northern ROW. Based on this information and given that lead impacted soil related to LBP is generally located near the source, the potential for environmental impacts from the LBP to the ROW appears low.

### 7.3.16 Asbestos-Containing Material (ACM)

Many building materials such as structural steel fireproofing, acoustic finishes, ceiling texture, ceiling tile, suspended ceiling panels, textured and elastomeric paints, window putty, flexible duct connectors, rubbery pipe insulation tape, building wiring insulation, pipe, boiler, and vessel insulation, interior plaster, and duct insulation commonly contained asbestos until the late 1970s. Other types of ACM were commonly used until the middle to late 1980s such as drywall joint, compound, exterior stucco, sheet vinyl flooring, vinyl flooring products, flooring and other mastics (adhesives), roof tiles and coatings, asbestos-cement products and flues.

Under the Toxic Substance Control Act (TSCA), EPA banned the use of asbestos in many products in 1993. However, several categories of building products were not subject to the ban. Thus, existing and even new buildings may lawfully contain ACM. In addition, materials that contain greater than one percent asbestos fibers are considered regulated ACM and must be handled according to EPA and Occupational Safety and Health Administration (OSHA) regulations.

Based on their ages, the current residential structures may have contained and/or contain ACM. Testing for the presence of ACM was not included in the scope of work for this investigation. The nearest residential house is approximately 75-feet from the northern ROW. Based on this information and given that lead impacted soil related to LBP is generally located near the source, the potential for environmental impacts from the LBP to the ROW appears low.

## 8.0 INTERVIEWS

A Pre-Survey Questionnaire was issued to the owner prior to the site visit. This questionnaire was not returned. Information obtained from the site owner, Ms. Reif, during the site visit and during a telephone conversation with NCE on July 28, 2016, has been incorporated into this report.

## 9.0 FINDINGS AND RECOMENDATIONS

### **FINDINGS**

Based on records review, site reconnaissance, and interviews, the following findings were made in connection with the Site:

- 1) The Site was utilized for agricultural purposes, primarily orchards from at least the late 1930s until the late 1970s. Between 1974 and 1982, based on a review of aerial photographs, the orchards were cleared and replaced with the existing row crops. Despite poor resolution of the aerial photographs, it appears that the primary house on APN 825-12-019 and the smaller houses located on APN 825-12-017 were first present around 1968. The employee break structure located on APN 825-12-017 first appears in aerial imagery in 1982. None of these structures are located within the ROW and the closest is located approximately 70-feet to the west of the ROW.
  
- 2) On March 21, 2016, NCE conducted a site visit to look for visual evidences of surface contamination and potential sources of subsurface contamination. A visual inspection was also performed of the adjoining properties to look for evidences of potential environmental concerns. Plate 2 depicts a plan view/layout of the Site. Select photographs taken during the site visit are presented on Plates 3A through 3E. During the site visit, NCE met with the owner, Ms. Leona Reif. Ms. Reif offered limited information about the Site.
  
- 3) The following three ASTs were observed on the Site:
  - A. AST #1, an approximately 500 gallon tank, mounted on a small rack situated above bare soil that is just east of the easternmost residential structure, approximately 50-feet to the west of the northern ROW (Plate 2). According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST is used to store propane. No signs of leakage, spillage, or contamination associated with this tank were observed.
  
  - B. AST #2, an approximately 550 gallon tank located approximately 50-feet to the east of AST #1 and within the northern ROW. This AST is present on a truck flat bed. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, this AST was used to store water in the past, but is not presently being used. No signs of contamination associated with this tank were observed.
  
  - C. AST #3, an approximately 500 gallon tank, is located in the northwestern portion of APN 825-12-017, approximately 270-feet to the southwest of the northern ROW. This AST is used to store diesel fuel and is located on wooden planks above bare soil. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, the diesel is used to fuel the tractors. During the site visit, this AST appeared to be leaking fluids and areas of stained soil were observed adjacent to the AST. Review of Google Earth Pro Historical Imagery indicates that AST #3 (diesel) has been present at its current location since at least 2009. Previous locations at use of AST #3 prior to 2009 are not known.

- 4) A tank house that adjoins the easternmost house on APN 825-12-107 was observed (Plate 3a) during the site visit. According to Ms. Reif, during a telephone conversation with NCE on July 28, 2016, there are two active water supply wells located in the tank house that are used to provide water at the Site.
- 5) An area (approximately 0.22 acres) located in the northern portion of APN 825-12-017 **is being used as a "junkyard" to store an assemblage of miscellaneous vehicles** and machinery parts. This area is approximately 158-feet to the southwest of the northern ROW. Review of Google Earth Pro Historical Imagery indicates that this area has been used as a junkyard since at least 2005.
- 6) NCE did not observe evidence of underground storage tanks (USTs) at the Site. In addition, the regulatory records review did not indicate current registration of ASTs or USTs at the Site, but lack of registration or UST permit does not necessarily mean that UST(s) are not present. No evidence of vent pipes, fill pipes, or access ways indicating USTs were observed at the time of the site visit.
- 7) According to an environmental lien search, no environmental liens are associated with the Site.
- 8) Review of an environmental database report indicates that the Site address is not listed on the federal, state or local databases researched by EDR.

Based on the completion of the vapor encroachment condition (VEC) screening matrix, NCE concludes that a VEC cannot be ruled out because the potential exists for leaks and/or spills related to the historical uses of AST #3 to have occurred. As a result, it is also probable for a VEC condition associated with AST #3 to be present and additional assessment is required to evaluate this concern. A copy of the Preliminary Vapor Encroachment Screen (PVES) PVES is included in Appendix E.

In regards to off-site facilities, review of the EDR Summary Radius Map Report (Appendix B) indicates there is a petroleum hydrocarbon (PHC)-related facility located at 12305 Sycamore Avenue, approximately 152-feet to the northwest in a downgradient position relative to the Site. This facility was not listed on **the California Department of Toxic Substance's Control's (DTSC's)** Envirostor website or the State Water Resources Control Board's (SWRCB's) Geotracker website. Based on this information, its downgradient position, and relatively large distance from the Site (distance greater than 30-feet), it appears unlikely that a VEC condition associated with that facility exists beneath the Site. However, additional assessment is required to specifically understand the concern.

- 1) **Review of the California Department of Conservation's Divisions of Mines and Geology document entitled "A General Location Guide for Ultramafic Rocks in California – Areas More Likely to Contain Naturally Occurring Asbestos"** indicates that the Site is located near an area that is likely to contain naturally occurring asbestos. Based on this information, there is a potential for soil at the Site to contain naturally occurring asbestos.
- 2) Land use in the vicinity of the Site consists of rural residential and agricultural development.

- 3) Only the facility located at 12305 Sycamore Avenue noted above was listed on the various regulatory databases searched by EDR. Details regarding this property are discussed in Section 6.1; Review of the SWEEPS UST record indicates that two 400 gallon, regular unleaded USTs were installed at this facility. Tank status and activity were not reported. Based on the information noted above, the potential for environmental impacts from this Facility to the Site appears low.

### **Opinions**

The following summarizes known or suspected environmental conditions in connection with the Site based on information collected during this HSLA:

- 1) De Minimis Conditions<sup>5</sup> were not identified during preparation of this HSLA with the exception of the junkyard.
- 2) RECs were not identified during preparation of this HSLA except the following:
  - A. Potential for impacted soil, soil gas, and groundwater to be present in the vicinity of the AST #3. During the site visit, evidences of leaking and stained soil were observed in the vicinity of this AST.
  - B. Based on the age of the building (pre-1979), potential for shallow soil to be impacted by lead in the vicinity of the buildings from lead based paint (LBP) chips that were released to the soil.
- 3) HRECs were not identified during the preparation of this HSLA. For definition of HRECs, see Section 3.1.
- 4) CRECs were not identified during the preparation of this HSLA. For definition of CRECs, see Section 3.1.

Potential concerns were identified consisting of residual pesticides and heavy metals (lead and arsenic) in near surface soils from historical agricultural land uses and for naturally occurring asbestos to be present in the soil.

The following data gaps were identified during preparation of the HSLA:

- 1) During the site visit, the interiors of the residential homes were not observed. The lack of information regarding the interiors of the residential homes does not appear to be significant based on the historical land use.
- 2) The Questionnaire was not returned by the owner of this Site and information provided by the current Site owner, Ms. Reif, was limited. As noted in Section 2.4, historical research suggests the Site has been used for agricultural purposes since at least the late 1930s and for residential land uses since at least the late 1960s. Based on this information, the lack of the returned Questionnaire that assists in identifying potential environmental concerns associated with historical land uses does not appear to be significant.

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<sup>5</sup> ASTM E1527-13 defines **de minimis condition** as "a condition that generally does not present a threat to human health or the environment and that generally would not be the subject an enforcement action if brought to the attention of appropriate governmental agencies."

**ROW RECOMMENDATIONS**

Recommendations included in this HSLA are only focused on that portion of the Site where the District is in the process of obtaining a partial acquisition in fee (i.e. ROWs). The ROWs are located outside of the areas where the improvements are located on the Site that may contain most of the environmental issues. Based on the results of this HSLA, NCE makes the following recommendation in regards to the ROW:

- 1) Because the potential exists for impacted soil gas related to the historical uses of AST #3 to be present within the ROWs, NCE recommends that soil gas testing be performed. The objective of the soil gas testing will be to assess subsurface conditions for the presence of VOCs related to inadvertent releases of PHCs. The findings of this investigation can be used to focus future investigations, if warranted.
  
- 2) During future excavation, the Contractor should look for the presence of VOC-impacted soil. If identified, the impacted subsurface materials encountered should be separated from non-impacted materials, profiled, and disposed of at an appropriate off-site facility. It is also recommended that a soil management plan (SMP) be developed prior to the commencement of any excavation activities associated with the Project. The SMP would lay out criteria for recognizing suspect materials based on appearance, odor, etc., and would identify notification procedures. As a key element, the SMP would also outline sampling and analyses needed prior to disposing of or treating suspect materials.
  
- 3) Based on the agricultural history of the Site, NCE recommends sampling and testing of surficial and shallow soils within the ROW for persistent pesticides and metals.
  
- 4) Because naturally occurring asbestos may be present, NCE recommends sampling and testing surficial and shallow soils for asbestos.

Recommendations 3 and 4 are not conditional to property transactions or required by regulatory agencies, but will assist the user (i.e. the District) in making informed business decisions about the Site. In addition, with regard to Superfund liability, additional investigation can provide the user with a level of knowledge to satisfy the innocent landowner's defense under CERCLA.

The scope of work for the soil gas testing will include the installation of temporary soil vapor probes within the ROW using direct push drilling methods and the collection of soil gas samples from the probes for laboratory chemical analysis. The work will be performed in accordance with DTSC (2015) guidance. In conjunction with the soil gas testing, NCE recommends collecting near surface samples from grid oriented locations at depths of approximately 0.5- and 2.0-feet bgs using either direct push drilling methods or a hand auger. The cost to perform the investigation may range between approximately \$15,000 and \$20,000. This assumes that the investigation can be completed in one 12 hour day. NCE can provide a detailed scope of work and cost estimate upon the request of the District.

**10.0 REFERENCES**

**10.0 REFERENCES**

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- EDR, 2016f. *EDR Building Permit Report*. February 16.
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- Geotechnical and Environmental Consultants (GEC), 2011. *Subsurface Investigation – Former Underground Storage Tank Area Monitoring Well Installation Report, 11595 Center Ave. Gilroy, CA Global ID: T10000002443-11595*. October 18.
- Google Earth Pro v7.1.5.1557. (Sept. 29, 2009). San Martin, California. 37°04'31.78"N, 121°35'15.81"W, eye alt 662 feet. DirectX. <http://www.earth.google.com> [May 20, 2015].
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- Santa Clara County Water District (District, 2011). *A Guide for the Private Well Owner*. November.
- United States Environmental Protection Agency (EPA), 2005. *All Appropriate Inquiries Final Rule*. October.

**DISTRIBUTION**

**Phase I Hazardous Substance Liability Assessment (HSLA)**

**Reif Family Trust**

**APNS: 825-12-017 and -019**

**12280 Sycamore Avenue**

**San Martin, California 95046**

November 23, 2016

Copy 1: Santa Clara Water District  
Brad Imamura, SR/WA, Senior Real Estate Agent, Real Estate Services Unit  
5750 Almaden Expressway  
San Jose, California 95118-3686

Copy 2: Overland, Pacific & Cutler  
Steven Harris, Project Manager  
8950 Cal Center Dr., Suite 102  
Sacramento, CA 95826

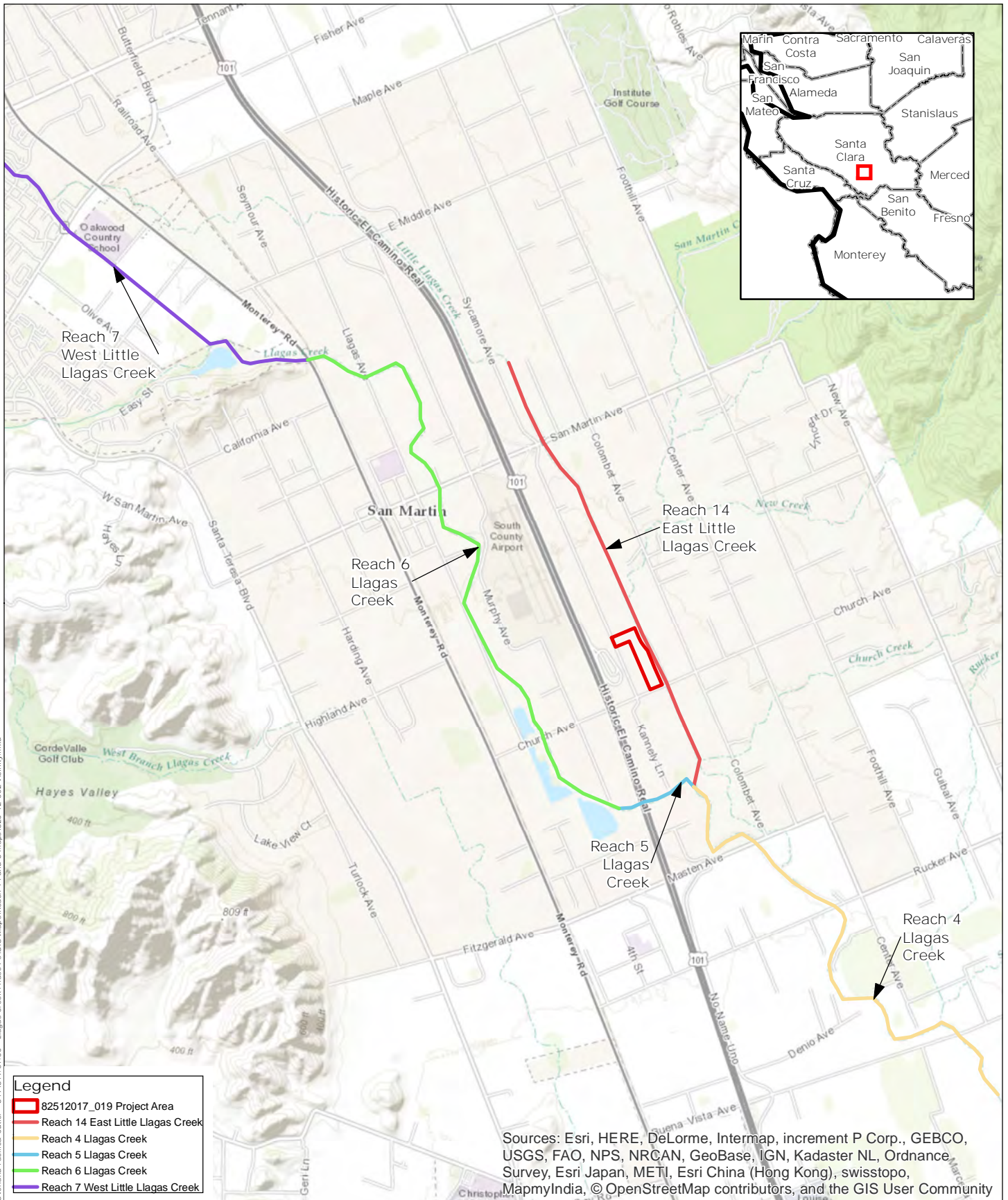
Copy 3: Project File

**Quality Control Reviewer**



Gregory L. Fasiano, P.G.  
Principal

## PLATES



## Overland Pacific & Cutler Llagas Creek Phase I

APNs: 825-12-017/019; Owner: Reif Family Trustee



1 in. = 3,404 ft.

0 1,750 3,500 ft.



Credits: ESRI World Imagery basemap; Santa Clara County

Date: 5/31/2016

Author: kkelso, mrios

Plate 1



**PLATE 3a**

APN: 825-12-019, 825-12-017  
Address: 12280 Sycamore Avenue

Date: March 21, 2016  
Llagas Creek ESA Phase I



Photo 1: View of AST #1 and AST #2 from northeast corner of APN 825-12-017.



Photo 2: Tank house adjoining houses on APN 825-12-017.

**PLATE 3b**

APN: 825-12-019, 825-12-017  
Address: 12280 Sycamore Avenue

Date: March 21, 2016  
Llagas Creek ESA Phase I



Photo 3: Junkyard in northern portion of APN 825-12-017.



Photo 4: AST #3 (diesel) in northwestern portion of APN 825-12-017.

**PLATE 3c**

APN: 825-12-019, 825-12-017  
Address: 12280 Sycamore Avenue

Date: March 21, 2016  
Llagas Creek ESA Phase I



Photo 5: View from APN 825-12-017 looking northeast at residential housing area.



Photo 6: View from APN 825-12-017 looking southwest at agricultural area.

**PLATE 3d**

APN: 825-12-019, 825-12-017  
Address: 12280 Sycamore Avenue

Date: March 21, 2016  
Llagas Creek ESA Phase I



Photo 7: Employee break area in northwest portion of APN 825-12-017.



Photo 8: View of APN 825-12-019 looking northeast at agricultural area.

**PLATE 3e**

APN: 825-12-019, 825-12-017  
Address: 12280 Sycamore Avenue

Date: March 21, 2016  
Llagas Creek ESA Phase I



Photo 9: House on APN 825-12-019.

**APPENDIX A**  
**FINAL PLAT**

**SANTA CLARA VALLEY WATER DISTRICT**  
San Jose, California

By: K. Comerer  
Date: 09/14/14

Date Revised: 10/15/15  
Revised By: K. Comerer

Checked by: \_\_\_\_\_

Date: \_\_\_\_\_

PROJECT: UPPER LLAGAS CREEK  
PROPERTY: REIF, TRUSTEE

File No.: 5037-54

All of that certain parcel of land situate in the unincorporated area of Santa Clara County, State of California, more particularly described as follows:

Being a portion of the lands described in the Correctory Deed from Leona M. Reif, as Trustee of the Reif Living Trust, dated July 25, 1988, Trust "B" to Leona M. Reif, as trustee of the Reif Family Trust dated September 2, 1997, recorded on May 2, 2000 as Document No. 15233143 of Official Records, Santa Clara County records, being a portion of Subdivision No. 1 of Lot 145-A, as shown on the map entitled "San Martin Ranch Map No. 3" filed on June 8, 1893, in Book "G" of Maps at Page 69, said Santa Clara County records, more particularly described as follows:

Parcel 1: (Fee)

BEGINNING at the most southerly corner of that certain parcel of land as described in the Grant Deed from Herman M. Reif and Leona M. Reif, his wife to the Santa Clara County Flood Control and Water District (now the Santa Clara Valley Water District), recorded on October 21, 1969 as Document No. 3703376 of Official Records, said Santa Clara County records; thence along the southeasterly line of said Reif parcel, South  $66^{\circ} 51' 57''$  West, 5.39 feet; thence leaving said southeasterly line, North  $26^{\circ} 18' 06''$  West, 11.05 feet; thence North  $07^{\circ} 37' 47''$  East, 11.73 feet to a point on the southwesterly line of said Santa Clara County Flood Control and Water District parcel (now the Santa Clara Valley Water District); thence along said southwesterly line, South  $23^{\circ} 08' 03''$  East, 21.12 feet to the POINT OF BEGINNING.

Containing 93 square feet or 0.002 acre of land, more or less.

Parcel 2: (Fee)

BEGINNING at the most southerly corner of that certain parcel of land as described in the Grant Deed from Herman M. Reif and Leona M. Reif, his wife to the Santa Clara County Flood Control and Water District (now the Santa Clara Valley Water District), recorded on October 21, 1969 as Document No. 3703376 of Official Records, said Santa Clara County records; thence along the southwesterly line of said Santa Clara County Flood Control and Water District parcel, North  $23^{\circ} 08' 03''$  West, 72.77 feet to the TRUE POINT OF BEGINNING, said point being the beginning of a non-tangent curve, concave southwesterly, having a radius of 99.87 feet, from which the radius point bears South  $66^{\circ} 52' 57''$  West; thence leaving said southwesterly line, northwesterly, along said curve, through a central angle of  $24^{\circ} 23' 42''$ , for an arc length of 42.52 feet to the beginning of a reverse curve, having a radius of 117.92 feet;

thence along said curve, through a central angle of  $48^{\circ} 46' 24''$ , for an arc length of 100.38 feet to the beginning of a reverse curve, having a radius of 99.87 feet; thence along said curve, through a central angle of  $23^{\circ} 05' 04''$ , for an arc length of 40.24 feet to a point on the southwesterly line of said Santa Clara County Flood Control and Water District parcel; thence along said southwesterly line, South  $23^{\circ} 08' 03''$  East, 177.59 feet to the TRUE POINT OF BEGINNING.

Containing 1,795 square feet or 0.041 acre of land, more or less.

Parcel 3: (Fee)

Being a portion of the lands described in the Easement Deed, from Herman M. Reif and Leona M. Reif, his wife to the Santa Clara County Flood Control and Water District (now the Santa Clara Valley Water District), recorded on March 24, 1970 as Document No. 3781398 of Official Records, said Santa Clara County records, more particularly described as follows:

BEGINNING at the northeasterly corner of said lands as described in said Easement Deed, thence along the northeasterly line of said lands the following two courses: 1) South  $23^{\circ} 08' 03''$  East, 170.21 feet to the beginning of a tangent curve to the left, having a radius of 875.14 feet, and 2) along said curve, through a central angle of  $03^{\circ} 19' 07''$ , for an arc length of 50.69 feet to the beginning of a non-tangent curve, concave southwesterly, having a radius of 101.03 feet, from which the radius point bears South  $63^{\circ} 10' 32''$  West; thence leaving said northeasterly line, northwesterly, along said curve, through a central angle of  $23^{\circ} 09' 52''$ , for an arc length of 40.85 feet to the beginning of a non-tangent curve, concave northeasterly, having a radius of 100.00 feet, from which the radius point bears North  $40^{\circ} 00' 30''$  East; thence northwesterly, along said curve, through a central angle of  $26^{\circ} 51' 28''$ , for an arc length of 46.88 feet; thence North  $23^{\circ} 08' 03''$  West, 49.31 feet to the beginning of a tangent curve to the right, having a radius of 100.00 feet; thence along said curve, through a central angle of  $25^{\circ} 51' 47''$ , for an arc length of 45.14 feet to the beginning of a non-tangent curve, concave westerly, having a radius of 99.49 feet, from which the radius point bears North  $87^{\circ} 14' 15''$  West; thence northerly, along said curve, through a central angle of  $25^{\circ} 59' 43''$ , for an arc length of 45.14 feet to the POINT OF BEGINNING.

Containing 2,724 square feet or 0.063 acre of land, more or less.

END OF DESCRIPTION

**BASIS OF BEARINGS:**

Bearings and distances described herein are based on the California Coordinate System of 1983, Zone 3, Epoch 2011.43. Multiply herein described distances by 1.00001657 to obtain ground level distances.

**SURVEYOR'S STATEMENT:**

Legal description prepared by Cross Land Surveying, Inc. in September 2014 and is based on boundary resolution by SCVWD and was prepared by me or under my direction in conformance with the requirements of the Land Surveyor's Act.

Kristina D. Comer  
Kristina D. Comer, PLS 6766

Date: October 16, 2015



LINE TABLE		
LINE	BEARING	DISTANCE
L1	S66°51'57"W	5.39'
L2	N26°18'06"W	11.05'
L3	N07°37'47"E	11.73'
L4	S23°08'03"E	21.12'



AMISTAD LANE  
(Private Road)

825-12-016  
SANTA CLARA VALLEY  
WATER DISTRICT  
DOC. 3784495

825-12-016  
SANTA CLARA VALLEY  
WATER DISTRICT  
DOC. 3703376

LLAGAS CREEK

825-12-017  
REIF, TRUSTEE  
DOC. 15233143



*Kristina D. Comer*  
10/16/15

AREA TO BE ACQUIRED

PARCEL 1 (FEE) = 93 SF +/- OR 0.002 Ac. +/- TOTAL AREA  
PARCEL 2 (FEE) = 1,795 SF +/- OR 0.041 Ac. +/- TOTAL AREA

SUBDIVISION NO.1 LOT 145-A  
SAN MARTIN  
RANCH MAP NO. 3  
"G"-M-69

CHURCH AVENUE

R=99.87'  
Δ=24°23'42"  
L=42.52'  
S 66°52'57" W (R)  
**T.P.O.B.**  
**PCL. 2**

Parcel 1

**P.O.B.**  
**PCL. 1 & PCL. 2**

830-05-010  
SANTA CLARA VALLEY  
WATER DISTRICT  
DOC. 3664774

830-05-040  
SANTA CLARA VALLEY  
WATER DISTRICT  
DOC. 3708901

Santa Clara Valley Water District



SCALE: 1" = 40'

PROJ. NO.	26174051
FILE NO.	5037-54
APN	825-12-017
TITLE REPORT NO.	616011246
DRAWN	G. Comer
DATE	10/16/15

REV.	APPR.	DATE	DESCRIPTION
1			
2			

825-12-004  
MOK

*Kristina D. Comer*  
10/16/15

P.O.B.

825-12-016  
SANTA CLARA VALLEY  
WATER DISTRICT  
DOC. 3703376

825-12-019  
REIF, TRUSTEE  
DOC. 11374723

SUBDIVISION NO.1 LOT 144-B  
SAN MARTIN  
RANCH MAP NO. 3  
"G"-M-69

EAST LITTLE LAGAS CREEK

S.C.V.W.D. EASEMENT  
DOC. 3781398

LOT 145-A1

825-12-017  
REIF, TRUSTEE  
DOC. 15233143

AREA TO BE ACQUIRED

PARCEL 3 (FEE) = 2,724 SF +/- OR 0.063 Ac. +/- IN EXISTING EASEMENT  
PARCEL 3 (FEE) = 2,724 SF +/- OR 0.063 Ac. +/- TOTAL AREA

Santa Clara Valley Water District



SCALE: 1" = 40'

PROJ. NO.	26174051
FILE NO.	5037-54
APN	825-12-017 & 019
TITLE REPORT NO.	616011246
DRAWN	G. Comerer
DATE	10/16/15

REV.	APPR.	DATE	DESCRIPTION
1		8/15	CHANGE PARCEL CONFIGURATION
2		10/15	ADD PARCEL NO. TO AREA TABLE

**APPENDIX B**  
**EDR SUMMARY RADIUS MAP**

**Reif Leona M Trustee**

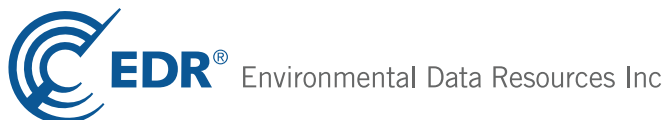
Not Reported

San Martin, CA 95046

Inquiry Number: 4539551.359s

February 16, 2016

## 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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Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-13
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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) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

NOT REPORTED  
SAN MARTIN, CA 95046

#### COORDINATES

Latitude (North):	37.0751280 - 37° 4' 30.46"
Longitude (West):	121.5873470 - 121° 35' 14.44"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	625575.1
UTM Y (Meters):	4103936.5
Elevation:	263 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5640386 GILROY, CA
Version Date:	2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20120520
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:  
NOT REPORTED  
SAN MARTIN, CA 95046

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	UNKNOWN	12305 SYCAMORE AVE	SWEEPS UST	Higher	152, 0.029, NW

## 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  
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

#### ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP..... CERCLIS No Further Remedial Action Planned

#### ***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

SLIC..... Statewide SLIC Cases

HIST LUST..... HIST LUST - Fuel Leak Site Activity Report

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

FEMA UST..... Underground Storage Tank Listing

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

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

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

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

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

BROWNFIELDS..... Considered Brownfields Sites Listing

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### ***Local Brownfield lists***

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

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

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

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

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

ODI..... Open Dump Inventory

## EXECUTIVE SUMMARY

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

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

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

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

HIST UST..... Hazardous Substance Storage Container Database  
CA FID UST..... Facility Inventory Database

### **Local Land Records**

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

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

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

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
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  
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

## EXECUTIVE SUMMARY

HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
FINDS.....	Facility Index System/Facility Registry System
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
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
SAN JOSE HAZMAT.....	Hazardous Material Facilities
UIC.....	UIC Listing
WASTEWATER PITS.....	Oil Wastewater Pits Listing
WDS.....	Waste Discharge System
WIP.....	Well Investigation Program Case List

### EDR HIGH RISK HISTORICAL RECORDS

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

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

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

## EXECUTIVE SUMMARY

### ADDITIONAL ENVIRONMENTAL RECORDS

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

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

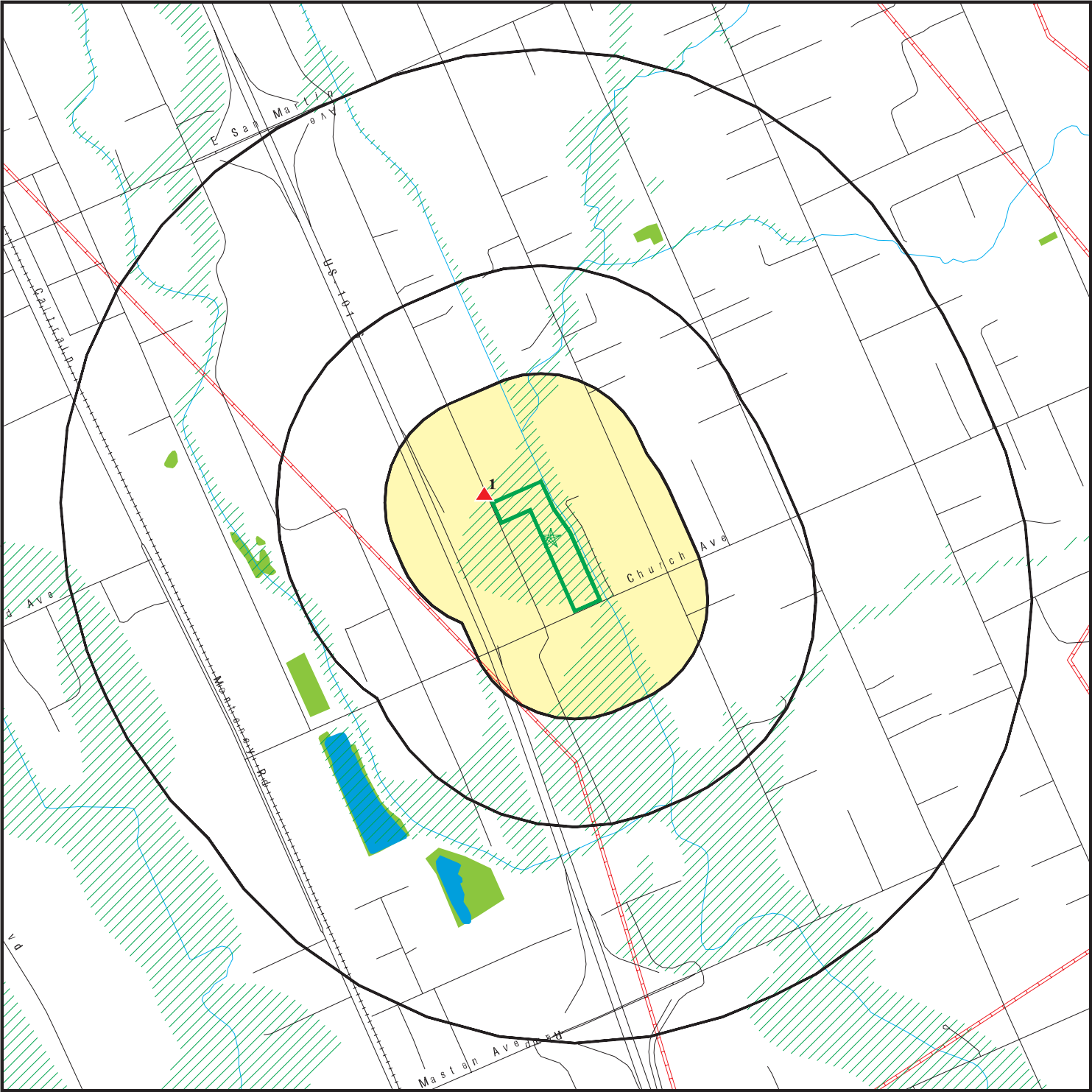
A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN Comp Number: 132	12305 SYCAMORE AVE	NW 0 - 1/8 (0.029 mi.)	1	8

## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 4539551.359S



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

Pipelines

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Areas of Concern

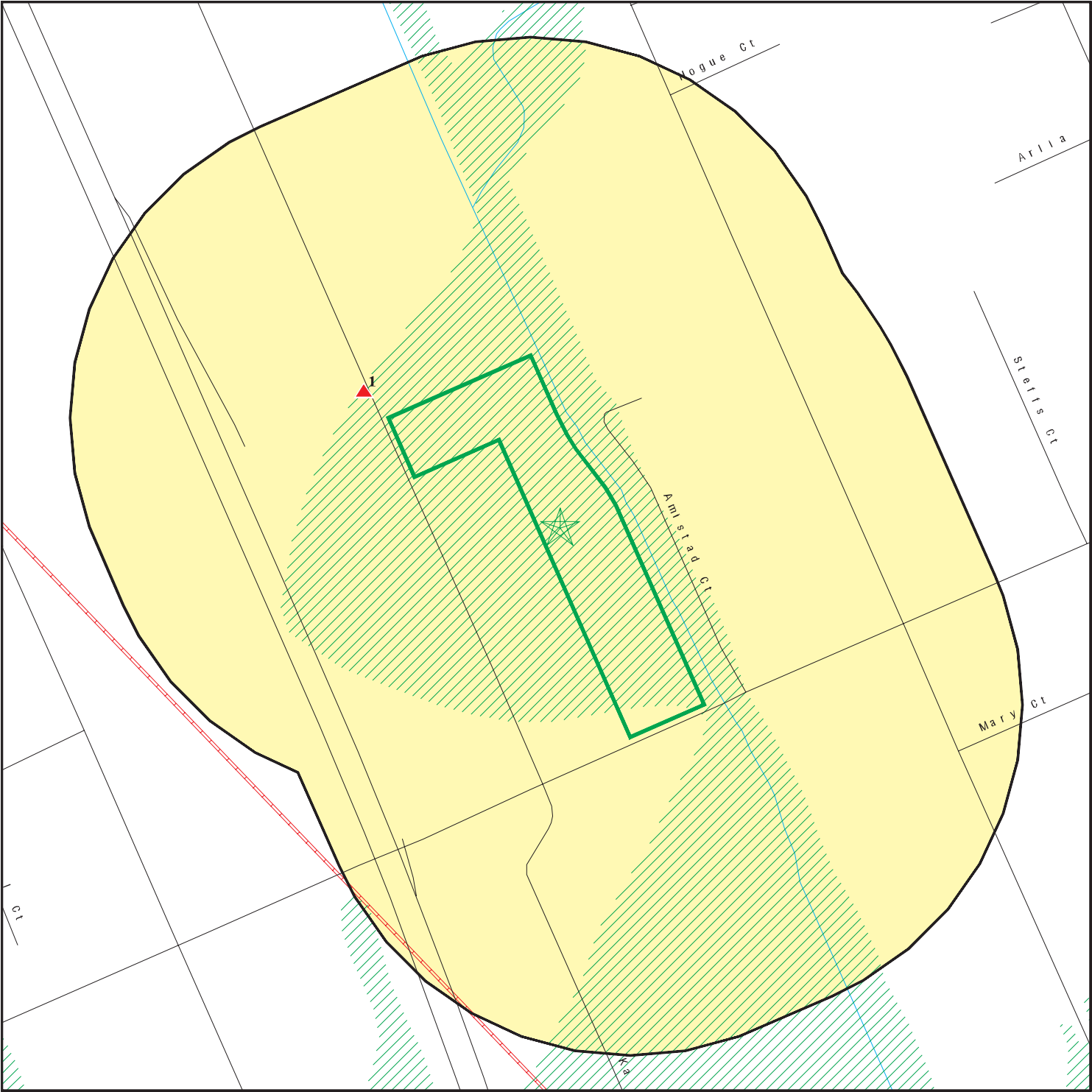
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Reif Leona M Trustee  
ADDRESS: Not Reported  
San Martin CA 95046  
LAT/LONG: 37.075128 / 121.587347

CLIENT: Nichols Consulting Eng., Chtd.  
CONTACT: Brett Bardsley  
INQUIRY #: 4539551.359s  
DATE: February 16, 2016 4:23 pm

Attachment 3

DETAIL MAP - 4539551.359S



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

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

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

SITE NAME: Reif Leona M Trustee  
ADDRESS: Not Reported  
San Martin CA 95046  
LAT/LONG: 37.075128 / 121.587347

CLIENT: Nichols Consulting Eng., Chtd.  
CONTACT: Brett Bardsley  
INQUIRY #: 4539551.359s  
DATE: February 16, 2016 4:27 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	0.001		0	NR	NR	NR	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
CERCLIS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERCLIS-NFRAP	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</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS</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
SLIC	0.500		0	0	0	NR	NR	0
HIST LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</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>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</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
<b>Local Lists of Hazardous waste / Contaminated Sites</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
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	0.001		0	NR	NR	NR	NR	0
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

## 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
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	0.001		0	NR	NR	NR	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
FINDS	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0

## 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
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
SAN JOSE HAZMAT	0.250		0	0	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

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

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.250		0	0	NR	NR	NR	0
EDR Hist Cleaner	0.250		0	0	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

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

- Totals --		0	1	0	0	0	0	1
-------------	--	---	---	---	---	---	---	---

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**  
**NW**  
**< 1/8**  
**0.029 mi.**  
**152 ft.**

**UNKNOWN**  
**12305 SYCAMORE AVE**  
**SAN MARTIN, CA 90000**

**SWEEPS UST**

**S106933450**  
**N/A**

**Relative:**  
**Higher**

SWEEPS UST:

**Actual:**  
**266 ft.**

Status: Not reported  
Comp Number: 132  
Number: Not reported  
Board Of Equalization: 44-035601  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 43-000-000132-000001  
Tank Status: Not reported  
Capacity: 400  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: 2

Status: Not reported  
Comp Number: 132  
Number: Not reported  
Board Of Equalization: 44-035601  
Referral Date: Not reported  
Action Date: Not reported  
Created Date: Not reported  
Owner Tank Id: Not reported  
SWRCB Tank Id: 43-000-000132-000002  
Tank Status: Not reported  
Capacity: 400  
Active Date: Not reported  
Tank Use: M.V. FUEL  
STG: PRODUCT  
Content: REG UNLEADED  
Number Of Tanks: Not reported

Count: 0 records.

ORPHAN SUMMARY

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### STANDARD ENVIRONMENTAL RECORDS

#### ***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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 10/30/2015	Source: EPA
Date Data Arrived at EDR: 11/07/2015	Telephone: N/A
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/26/2016
Number of Days to Update: 58	Next Scheduled EDR Contact: 04/18/2016
	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: 03/26/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/08/2015	Telephone: 703-603-8704
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 01/06/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Varies

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

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 11/23/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
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: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
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: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Quarterly

#### **RCRA-SQG: RCRA - Small Quantity Generators**

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

Date of Government Version: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
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: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***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: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/29/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	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: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/14/2016
	Data Release Frequency: Varies

## ***Federal ERNS list***

### **ERNS: Emergency Response Notification System**

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

Date of Government Version: 06/22/2015	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 06/26/2015	Telephone: 202-267-2180
Date Made Active in Reports: 09/16/2015	Last EDR Contact: 12/29/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 04/11/2016
	Data Release Frequency: Annually

## ***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: 11/07/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 11/07/2015	Telephone: 916-323-3400
Date Made Active in Reports: 12/17/2015	Last EDR Contact: 02/03/2016
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/16/2016
	Data Release Frequency: Quarterly

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/07/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 40

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/03/2016  
Next Scheduled EDR Contact: 05/16/2016  
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: 11/16/2015  
Date Data Arrived at EDR: 11/18/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 64

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 02/29/2016  
Data Release Frequency: Quarterly

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

#### LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

#### LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Varies

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

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

Date of Government Version: 02/26/2004  
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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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 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

### LUST REG 4: Underground Storage Tank Leak List

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

Date of Government Version: 09/07/2004

Date Data Arrived at EDR: 09/07/2004

Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6710

Last EDR Contact: 09/06/2011

Next Scheduled EDR Contact: 12/19/2011

Data Release Frequency: No Update Planned

### LUST REG 3: Leaking Underground Storage Tank Database

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

Date of Government Version: 05/19/2003

Date Data Arrived at EDR: 05/19/2003

Date Made Active in Reports: 06/02/2003

Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-542-4786

Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011

Data Release Frequency: No Update Planned

### LUST REG 2: Fuel Leak List

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

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012

Data Release Frequency: Quarterly

### LUST: Geotracker's Leaking Underground Fuel Tank Report

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. For more information on a particular leaking underground storage tank sites, please contact the appropriate regulatory agency.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/2015  
 Date Data Arrived at EDR: 12/14/2015  
 Date Made Active in Reports: 02/08/2016  
 Number of Days to Update: 56

Source: State Water Resources Control Board  
 Telephone: see region list  
 Last EDR Contact: 12/14/2015  
 Next Scheduled EDR Contact: 03/28/2016  
 Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

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

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

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

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

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/13/2015  
 Date Data Arrived at EDR: 08/03/2015  
 Date Made Active in Reports: 10/13/2015  
 Number of Days to Update: 71

Source: EPA Region 6  
 Telephone: 214-665-6597  
 Last EDR Contact: 01/25/2016  
 Next Scheduled EDR Contact: 05/09/2016  
 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: 03/30/2015  
 Date Data Arrived at EDR: 04/28/2015  
 Date Made Active in Reports: 06/22/2015  
 Number of Days to Update: 55

Source: EPA Region 7  
 Telephone: 913-551-7003  
 Last EDR Contact: 01/25/2016  
 Next Scheduled EDR Contact: 05/09/2016  
 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: 01/08/2015  
 Date Data Arrived at EDR: 01/08/2015  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 32

Source: Environmental Protection Agency  
 Telephone: 415-972-3372  
 Last EDR Contact: 01/27/2016  
 Next Scheduled EDR Contact: 05/09/2016  
 Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/30/2015  
 Date Data Arrived at EDR: 05/05/2015  
 Date Made Active in Reports: 06/22/2015  
 Number of Days to Update: 48

Source: EPA Region 8  
 Telephone: 303-312-6271  
 Last EDR Contact: 01/25/2016  
 Next Scheduled EDR Contact: 05/09/2016  
 Data Release Frequency: Quarterly

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

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

Date of Government Version: 11/24/2015  
 Date Data Arrived at EDR: 12/01/2015  
 Date Made Active in Reports: 01/04/2016  
 Number of Days to Update: 34

Source: EPA Region 4  
 Telephone: 404-562-8677  
 Last EDR Contact: 01/25/2016  
 Next Scheduled EDR Contact: 05/09/2016  
 Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 11/04/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-7439
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 01/25/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

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

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

Date of Government Version: 07/21/2015	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2015	Telephone: 206-553-2857
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

### 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: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 02/08/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Varies

### SLIC: Statewide SLIC Cases

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: 12/14/2015	Source: State Water Resources Control Board
Date Data Arrived at EDR: 12/14/2015	Telephone: 866-480-1028
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/14/2015
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Varies

### SLIC REG 1: Active Toxic Site Investigations

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

Date of Government Version: 04/03/2003	Source: California Regional Water Quality Control Board, North Coast Region (1)
Date Data Arrived at EDR: 04/07/2003	Telephone: 707-576-2220
Date Made Active in Reports: 04/25/2003	Last EDR Contact: 08/01/2011
Number of Days to Update: 18	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	Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Date Data Arrived at EDR: 10/20/2004	Telephone: 510-286-0457
Date Made Active in Reports: 11/19/2004	Last EDR Contact: 09/19/2011
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/02/2012
	Data Release Frequency: Quarterly

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

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

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

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

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

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

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

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

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

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

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

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

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

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

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

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

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

### State and tribal registered storage tank lists

#### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
Date Data Arrived at EDR: 02/16/2010  
Date Made Active in Reports: 04/12/2010  
Number of Days to Update: 55

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 01/08/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Varies

#### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 56

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 12/14/2015  
Next Scheduled EDR Contact: 03/28/2016  
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: 08/01/2009  
Date Data Arrived at EDR: 09/10/2009  
Date Made Active in Reports: 10/01/2009  
Number of Days to Update: 21

Source: California Environmental Protection Agency  
Telephone: 916-327-5092  
Last EDR Contact: 12/23/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/29/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 67

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/05/2015  
Date Data Arrived at EDR: 11/13/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 52

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
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: 05/13/2015  
Date Data Arrived at EDR: 08/03/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 71

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Semi-Annually

### 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: 09/23/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 65

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
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: 07/28/2015  
Date Data Arrived at EDR: 08/14/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 60

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Quarterly

### 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: 12/14/2014  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 28

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 01/27/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Quarterly

### 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: 07/21/2015  
Date Data Arrived at EDR: 07/29/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 76

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Quarterly

### 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)

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/24/2015  
Date Data Arrived at EDR: 12/01/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 34

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Semi-Annually

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

#### **INDIAN VCP R1: Voluntary Cleanup Priority Listing**

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

Date of Government Version: 09/29/2014  
Date Data Arrived at EDR: 10/01/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 36

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 12/28/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Varies

#### **INDIAN VCP R7: Voluntary Cleanup Priority Listing**

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

Date of Government Version: 03/20/2008  
Date Data Arrived at EDR: 04/22/2008  
Date Made Active in Reports: 05/19/2008  
Number of Days to Update: 27

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

#### **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: 11/07/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 40

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 02/03/2016  
Next Scheduled EDR Contact: 05/16/2016  
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: 12/04/2015  
Date Data Arrived at EDR: 12/08/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 44

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Varies

### **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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/21/2015  
Date Data Arrived at EDR: 09/23/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 103

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 12/21/2015  
Next Scheduled EDR Contact: 04/04/2016  
Data Release Frequency: Semi-Annually

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

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

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

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

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: No Update Planned

#### **SWRCY: Recycler Database**

A listing of recycling facilities in California.

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/17/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 53

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Quarterly

#### **HAULERS: Registered Waste Tire Haulers Listing**

A listing of registered waste tire haulers.

Date of Government Version: 11/23/2015  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 58

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 02/14/2016  
Next Scheduled EDR Contact: 05/30/2016  
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: 02/01/2016  
Next Scheduled EDR Contact: 05/16/2016  
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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 01/12/2009

Date Data Arrived at EDR: 05/07/2009

Date Made Active in Reports: 09/21/2009

Number of Days to Update: 137

Source: EPA, Region 9

Telephone: 415-947-4219

Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: No Update Planned

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

#### US HIST CDL: National Clandestine Laboratory Register

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: 08/12/2015

Date Data Arrived at EDR: 09/04/2015

Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000

Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015

Data Release Frequency: No Update Planned

#### HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005

Date Data Arrived at EDR: 08/03/2006

Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400

Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009

Data Release Frequency: No Update Planned

#### SCH: School Property Evaluation Program

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

Date of Government Version: 11/07/2015

Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 12/17/2015

Number of Days to Update: 40

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016

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: 12/31/2014

Date Data Arrived at EDR: 03/10/2015

Date Made Active in Reports: 03/18/2015

Number of Days to Update: 8

Source: Department of Toxic Substances Control

Telephone: 916-255-6504

Last EDR Contact: 01/11/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

### US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/12/2015  
Date Data Arrived at EDR: 09/04/2015  
Date Made Active in Reports: 11/03/2015  
Number of Days to Update: 60

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/25/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: Quarterly

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

#### SWEEPS UST: SWEEPS UST Listing

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

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

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

#### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 11/25/2015  
Date Data Arrived at EDR: 12/01/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 16

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 11/23/2015  
Next Scheduled EDR Contact: 03/14/2016  
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

#### 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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

### **Local Land Records**

#### **LIENS: Environmental Liens Listing**

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

Date of Government Version: 12/17/2015  
Date Data Arrived at EDR: 12/22/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 48

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
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: 02/18/2014  
Date Data Arrived at EDR: 03/18/2014  
Date Made Active in Reports: 04/24/2014  
Number of Days to Update: 37

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

#### **DEED: Deed Restriction Listing**

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

Date of Government Version: 12/07/2015  
Date Data Arrived at EDR: 12/08/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 44

Source: DTSC and SWRCB  
Telephone: 916-323-3400  
Last EDR Contact: 12/08/2015  
Next Scheduled EDR Contact: 12/21/2015  
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: 06/24/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/02/2015  
Number of Days to Update: 68

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 12/30/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Annually

#### **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).

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/25/2015  
Date Data Arrived at EDR: 10/27/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 20

Source: Office of Emergency Services  
Telephone: 916-845-8400  
Last EDR Contact: 01/27/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

### LDS: Land Disposal Sites Listing

The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units.

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 56

Source: State Water Quality Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/14/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Quarterly

### MCS: Military Cleanup Sites Listing

The State Water Resources Control Board and nine Regional Water Quality Control Boards partner with the Department of Defense (DoD) through the Defense and State Memorandum of Agreement (DSMOA) to oversee the investigation and remediation of water quality issues at military facilities.

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 56

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 12/14/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Quarterly

### SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 06/06/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/22/2013  
Number of Days to Update: 50

Source: FirstSearch  
Telephone: N/A  
Last EDR Contact: 01/03/2013  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### Other Ascertainable Records

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

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

Date of Government Version: 06/09/2015  
Date Data Arrived at EDR: 06/26/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 82

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Varies

#### FUDS: Formerly Used Defense Sites

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

Date of Government Version: 01/31/2015  
Date Data Arrived at EDR: 07/08/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 12/11/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2016
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2016
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: N/A

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

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

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 11/19/2015
Number of Days to Update: 54	Next Scheduled EDR Contact: 02/29/2016
	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: 09/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/03/2015	Telephone: 202-566-1917
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 11/13/2015
Number of Days to Update: 61	Next Scheduled EDR Contact: 02/29/2016
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 02/09/2016
Number of Days to Update: 88	Next Scheduled EDR Contact: 05/23/2016
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 04/22/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 02/12/2016
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/23/2016
	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: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 12/23/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/04/2016
	Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2013	Source: EPA
Date Data Arrived at EDR: 02/12/2015	Telephone: 202-566-0250
Date Made Active in Reports: 06/02/2015	Last EDR Contact: 11/24/2015
Number of Days to Update: 110	Next Scheduled EDR Contact: 03/07/2016
	Data Release Frequency: Annually

### SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 01/25/2016
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/09/2016
	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: 11/25/2013	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 12/11/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 03/21/2016
	Data Release Frequency: Annually

### RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 05/09/2016
	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	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/23/2016
	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: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 01/12/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/25/2016
	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: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 01/08/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 04/25/2016
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Quarterly

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

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

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

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Quarterly

### MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/26/2015  
Date Data Arrived at EDR: 07/10/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 95

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 08/07/2009  
Date Made Active in Reports: 10/22/2009  
Number of Days to Update: 76

Source: Department of Energy  
Telephone: 202-586-8719  
Last EDR Contact: 01/13/2016  
Next Scheduled EDR Contact: 04/25/2016  
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  
Date Data Arrived at EDR: 09/10/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: N/A  
Last EDR Contact: 12/11/2015  
Next Scheduled EDR Contact: 03/21/2016  
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: 02/01/2011  
Date Data Arrived at EDR: 10/19/2011  
Date Made Active in Reports: 01/10/2012  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-0517  
Last EDR Contact: 01/29/2016  
Next Scheduled EDR Contact: 05/09/2016  
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.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015  
Date Data Arrived at EDR: 07/09/2015  
Date Made Active in Reports: 09/16/2015  
Number of Days to Update: 69

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 01/07/2016  
Next Scheduled EDR Contact: 04/18/2016  
Data Release Frequency: Quarterly

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

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

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

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

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

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

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

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

### DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012  
Date Data Arrived at EDR: 08/07/2012  
Date Made Active in Reports: 09/18/2012  
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 02/03/2016  
Next Scheduled EDR Contact: 05/16/2016  
Data Release Frequency: Varies

### CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/02/2015  
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 12/23/2015  
Next Scheduled EDR Contact: 04/11/2016  
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: 12/31/2013  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 09/30/2015  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 11/24/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Biennially

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 01/15/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Semi-Annually

### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010  
Date Data Arrived at EDR: 10/07/2011  
Date Made Active in Reports: 03/01/2012  
Number of Days to Update: 146

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 11/19/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014  
Date Data Arrived at EDR: 11/26/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 64

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 01/26/2016  
Next Scheduled EDR Contact: 04/18/2016  
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: 10/20/2015  
Date Data Arrived at EDR: 10/27/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Annually

### US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/20/2015  
Date Data Arrived at EDR: 10/27/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 12/22/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### US MINES: Mines Master Index File

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

Date of Government Version: 08/18/2015  
Date Data Arrived at EDR: 09/01/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/03/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 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: 12/04/2015  
Next Scheduled EDR Contact: 03/14/2016  
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: 12/04/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: Varies

### 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: 07/20/2015  
Date Data Arrived at EDR: 09/09/2015  
Date Made Active in Reports: 11/03/2015  
Number of Days to Update: 55

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 12/10/2015  
Next Scheduled EDR Contact: 03/21/2016  
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  
Date Data Arrived at EDR: 07/27/1994  
Date Made Active in Reports: 08/02/1994  
Number of Days to Update: 6

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

### CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/28/2015  
Date Data Arrived at EDR: 12/29/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 23

Source: CAL EPA/Office of Emergency Information  
Telephone: 916-323-3400  
Last EDR Contact: 12/29/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Quarterly

### DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/10/2015  
Date Data Arrived at EDR: 08/27/2015  
Date Made Active in Reports: 10/01/2015  
Number of Days to Update: 35

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 02/05/2016  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Annually

### EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 09/25/2015  
Date Made Active in Reports: 11/05/2015  
Number of Days to Update: 41

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 12/23/2015  
Next Scheduled EDR Contact: 04/04/2016  
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: 11/18/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 59

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

### Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 11/02/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 40

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

### Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 11/18/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 59

Source: California Integrated Waste Management Board  
Telephone: 916-341-6066  
Last EDR Contact: 11/13/2015  
Next Scheduled EDR Contact: 02/29/2016  
Data Release Frequency: Varies

### HAZNET: Facility and Manifest Data

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 10/14/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 58

Source: California Environmental Protection Agency  
Telephone: 916-255-1136  
Last EDR Contact: 01/11/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Annually

### HIST CORTESE: Hazardous Waste & Substance Site List

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

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

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

### HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 11/23/2015  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 58

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 11/24/2015  
Next Scheduled EDR Contact: 03/07/2016  
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: 07/27/2015  
Date Data Arrived at EDR: 10/14/2015  
Date Made Active in Reports: 11/19/2015  
Number of Days to Update: 36

Source: Department of Toxic Substances Control  
Telephone: 916-440-7145  
Last EDR Contact: 01/13/2016  
Next Scheduled EDR Contact: 04/25/2016  
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: 12/14/2015  
Date Data Arrived at EDR: 12/17/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 53

Source: Department of Conservation  
Telephone: 916-322-1080  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Varies

### MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 11/10/2015  
Date Data Arrived at EDR: 12/08/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 44

Source: Department of Public Health  
Telephone: 916-558-1784  
Last EDR Contact: 12/08/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Varies

### NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/16/2015  
Date Data Arrived at EDR: 11/18/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 64

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 02/29/2016  
Data Release Frequency: Quarterly

### PEST LIC: Pesticide Regulation Licenses Listing

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

Date of Government Version: 12/07/2015  
Date Data Arrived at EDR: 12/08/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 44

Source: Department of Pesticide Regulation  
Telephone: 916-445-4038  
Last EDR Contact: 12/08/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Quarterly

### PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 09/14/2015  
Date Data Arrived at EDR: 09/15/2015  
Date Made Active in Reports: 10/14/2015  
Number of Days to Update: 29

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Quarterly

### NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 09/10/2015  
Date Data Arrived at EDR: 01/05/2016  
Date Made Active in Reports: 02/12/2016  
Number of Days to Update: 38

Source: State Water Resources Control Board  
Telephone: 916-445-3846  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 04/04/2016  
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: 07/23/2015  
Date Data Arrived at EDR: 09/15/2015  
Date Made Active in Reports: 10/13/2015  
Number of Days to Update: 28

Source: Department of Conservation  
Telephone: 916-445-2408  
Last EDR Contact: 12/18/2015  
Next Scheduled EDR Contact: 03/28/2016  
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 board's review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 04/15/2015  
Date Data Arrived at EDR: 04/17/2015  
Date Made Active in Reports: 06/23/2015  
Number of Days to Update: 67

Source: RWQCB, Central Valley Region  
Telephone: 559-445-5577  
Last EDR Contact: 01/15/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Varies

### WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Quarterly

### WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009  
Date Data Arrived at EDR: 07/21/2009  
Date Made Active in Reports: 08/03/2009  
Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
Telephone: 213-576-6726  
Last EDR Contact: 12/23/2015  
Next Scheduled EDR Contact: 04/11/2016  
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 Historic Gas 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 Historic Dry 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:

##### 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: 10/09/2015  
Date Data Arrived at EDR: 10/13/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 34

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/11/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Semi-Annually

##### Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/09/2015  
Date Data Arrived at EDR: 10/13/2015  
Date Made Active in Reports: 11/19/2015  
Number of Days to Update: 37

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 01/11/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List Cupa Facility List

Date of Government Version: 11/16/2015  
Date Data Arrived at EDR: 12/10/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 42

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Varies

### BUTTE COUNTY:

#### CUPA Facility Listing Cupa facility list.

Date of Government Version: 11/20/2014  
Date Data Arrived at EDR: 11/24/2014  
Date Made Active in Reports: 01/07/2015  
Number of Days to Update: 44

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 01/29/2016  
Next Scheduled EDR Contact: 04/25/2016  
Data Release Frequency: No Update Planned

### CALVERAS COUNTY:

#### CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 10/22/2015  
Date Data Arrived at EDR: 10/23/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 24

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 12/28/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Quarterly

### COLUSA COUNTY:

#### CUPA Facility List Cupa facility list.

Date of Government Version: 06/08/2015  
Date Data Arrived at EDR: 09/22/2015  
Date Made Active in Reports: 10/14/2015  
Number of Days to Update: 22

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Varies

### CONTRA COSTA COUNTY:

#### Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/01/2015  
Date Data Arrived at EDR: 12/04/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 48

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 02/01/2016  
Next Scheduled EDR Contact: 05/16/2016  
Data Release Frequency: Semi-Annually

### DEL NORTE COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List

Cupa Facility list

Date of Government Version: 11/16/2015

Date Data Arrived at EDR: 11/17/2015

Date Made Active in Reports: 12/11/2015

Number of Days to Update: 24

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426

Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016

Data Release Frequency: Varies

### EL DORADO COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/30/2015

Date Data Arrived at EDR: 12/03/2015

Date Made Active in Reports: 01/21/2016

Number of Days to Update: 49

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623

Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016

Data Release Frequency: Varies

### FRESNO COUNTY:

#### CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 10/15/2015

Date Data Arrived at EDR: 10/15/2015

Date Made Active in Reports: 11/16/2015

Number of Days to Update: 32

Source: Dept. of Community Health

Telephone: 559-445-3271

Last EDR Contact: 01/04/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Semi-Annually

### HUMBOLDT COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 12/02/2015

Date Data Arrived at EDR: 12/04/2015

Date Made Active in Reports: 01/21/2016

Number of Days to Update: 48

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 11/12/2015

Next Scheduled EDR Contact: 12/07/2015

Data Release Frequency: Varies

### IMPERIAL COUNTY:

#### CUPA Facility List

Cupa facility list.

Date of Government Version: 10/30/2015

Date Data Arrived at EDR: 11/07/2015

Date Made Active in Reports: 12/11/2015

Number of Days to Update: 34

Source: San Diego Border Field Office

Telephone: 760-339-2777

Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Varies

### INYO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### KERN COUNTY:

#### Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/19/2015  
Date Data Arrived at EDR: 06/18/2015  
Date Made Active in Reports: 07/22/2015  
Number of Days to Update: 34

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

### KINGS COUNTY:

#### 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: 11/19/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 18

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### LAKE COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 08/11/2015  
Date Data Arrived at EDR: 08/14/2015  
Date Made Active in Reports: 09/03/2015  
Number of Days to Update: 20

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/19/2016  
Next Scheduled EDR Contact: 05/02/2016  
Data Release Frequency: Varies

### LOS ANGELES COUNTY:

#### San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

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: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 04/04/2016  
Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014

Date Data Arrived at EDR: 01/30/2015

Date Made Active in Reports: 03/04/2015

Number of Days to Update: 33

Source: Department of Public Works

Telephone: 626-458-3517

Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Semi-Annually

### List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/19/2015

Date Data Arrived at EDR: 10/20/2015

Date Made Active in Reports: 11/19/2015

Number of Days to Update: 30

Source: La County Department of Public Works

Telephone: 818-458-5185

Last EDR Contact: 01/20/2016

Next Scheduled EDR Contact: 05/02/2016

Data Release Frequency: Varies

### City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2015

Date Data Arrived at EDR: 07/27/2015

Date Made Active in Reports: 08/10/2015

Number of Days to Update: 14

Source: Engineering & Construction Division

Telephone: 213-473-7869

Last EDR Contact: 01/19/2016

Next Scheduled EDR Contact: 05/02/2016

Data Release Frequency: Varies

### Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 01/15/2015

Date Data Arrived at EDR: 01/29/2015

Date Made Active in Reports: 03/10/2015

Number of Days to Update: 40

Source: Community Health Services

Telephone: 323-890-7806

Last EDR Contact: 01/19/2016

Next Scheduled EDR Contact: 05/02/2016

Data Release Frequency: Annually

### City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 03/30/2015

Date Data Arrived at EDR: 04/02/2015

Date Made Active in Reports: 04/13/2015

Number of Days to Update: 11

Source: City of El Segundo Fire Department

Telephone: 310-524-2236

Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/02/2016

Data Release Frequency: Semi-Annually

### City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 11/04/2015

Date Data Arrived at EDR: 11/13/2015

Date Made Active in Reports: 12/17/2015

Number of Days to Update: 34

Source: City of Long Beach Fire Department

Telephone: 562-570-2563

Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Annually

### City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/12/2016

Date Data Arrived at EDR: 01/15/2016

Date Made Active in Reports: 02/08/2016

Number of Days to Update: 24

Source: City of Torrance Fire Department

Telephone: 310-618-2973

Last EDR Contact: 01/11/2016

Next Scheduled EDR Contact: 04/25/2016

Data Release Frequency: Semi-Annually

MADERA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 09/15/2015  
Date Data Arrived at EDR: 09/17/2015  
Date Made Active in Reports: 10/14/2015  
Number of Days to Update: 27

Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### MARIN COUNTY:

#### Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 10/05/2015  
Date Data Arrived at EDR: 10/08/2015  
Date Made Active in Reports: 10/15/2015  
Number of Days to Update: 7

Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 01/19/2016  
Next Scheduled EDR Contact: 04/18/2016  
Data Release Frequency: Semi-Annually

### MERCED COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/18/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 34

Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 12/10/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### MONO COUNTY:

#### CUPA Facility List

CUPA Facility List

Date of Government Version: 11/24/2015  
Date Data Arrived at EDR: 12/01/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 51

Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 11/23/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: Varies

### MONTEREY COUNTY:

#### CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/10/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/12/2016  
Number of Days to Update: 60

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### NAPA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 12/05/2011  
Date Data Arrived at EDR: 12/06/2011  
Date Made Active in Reports: 02/07/2012  
Number of Days to Update: 63

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/23/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: No Update Planned

### Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
Date Data Arrived at EDR: 01/16/2008  
Date Made Active in Reports: 02/08/2008  
Number of Days to Update: 23

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 11/23/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: No Update Planned

### NEVADA COUNTY:

#### CUPA Facility List

CUPA facility list.

Date of Government Version: 11/16/2015  
Date Data Arrived at EDR: 11/17/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 24

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 02/01/2016  
Next Scheduled EDR Contact: 05/16/2016  
Data Release Frequency: Varies

### ORANGE COUNTY:

#### List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 11/01/2015  
Date Data Arrived at EDR: 11/17/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 65

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/09/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Annually

#### List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 08/03/2015  
Date Data Arrived at EDR: 08/10/2015  
Date Made Active in Reports: 09/11/2015  
Number of Days to Update: 32

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/09/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

#### List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 11/01/2015  
Date Data Arrived at EDR: 11/11/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 36

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 02/10/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

### PLACER COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/09/2015

Date Data Arrived at EDR: 12/11/2015

Date Made Active in Reports: 01/21/2016

Number of Days to Update: 41

Source: Placer County Health and Human Services

Telephone: 530-745-2363

Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/21/2016

Data Release Frequency: Semi-Annually

### RIVERSIDE COUNTY:

#### Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 10/26/2015

Date Data Arrived at EDR: 10/28/2015

Date Made Active in Reports: 11/19/2015

Number of Days to Update: 22

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016

Data Release Frequency: Quarterly

#### Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/26/2015

Date Data Arrived at EDR: 10/28/2015

Date Made Active in Reports: 11/19/2015

Number of Days to Update: 22

Source: Department of Environmental Health

Telephone: 951-358-5055

Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016

Data Release Frequency: Quarterly

### SACRAMENTO COUNTY:

#### Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/02/2015

Date Data Arrived at EDR: 01/05/2016

Date Made Active in Reports: 02/12/2016

Number of Days to Update: 38

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 01/05/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Quarterly

#### Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/02/2015

Date Data Arrived at EDR: 01/05/2016

Date Made Active in Reports: 02/12/2016

Number of Days to Update: 38

Source: Sacramento County Environmental Management

Telephone: 916-875-8406

Last EDR Contact: 01/05/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Quarterly

### SAN BERNARDINO COUNTY:

#### Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/18/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 52

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

### SAN DIEGO COUNTY:

#### 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: 09/23/2013  
Date Data Arrived at EDR: 09/24/2013  
Date Made Active in Reports: 10/17/2013  
Number of Days to Update: 23

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Quarterly

#### Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015  
Date Data Arrived at EDR: 11/07/2015  
Date Made Active in Reports: 01/04/2016  
Number of Days to Update: 58

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

#### 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: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: No Update Planned

### SAN FRANCISCO COUNTY:

#### 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: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

#### Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
Date Data Arrived at EDR: 03/10/2011  
Date Made Active in Reports: 03/15/2011  
Number of Days to Update: 5

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Quarterly

### SAN JOAQUIN COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 12/18/2015  
Date Data Arrived at EDR: 12/22/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 48

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 12/17/2015  
Next Scheduled EDR Contact: 04/04/2016  
Data Release Frequency: Semi-Annually

### SAN LUIS OBISPO COUNTY:

#### CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/07/2015  
Date Data Arrived at EDR: 12/10/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 42

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### SAN MATEO COUNTY:

#### Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 10/14/2015  
Date Data Arrived at EDR: 10/15/2015  
Date Made Active in Reports: 11/16/2015  
Number of Days to Update: 32

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/14/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Annually

#### Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 12/14/2015  
Date Data Arrived at EDR: 12/17/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 53

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 12/10/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

#### 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: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### SANTA CLARA COUNTY:

#### Cupa Facility List

Cupa facility list

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/18/2015  
Date Data Arrived at EDR: 11/24/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 17

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### 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

### 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: 11/23/2015  
Next Scheduled EDR Contact: 03/14/2016  
Data Release Frequency: Annually

### Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/17/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 59

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 02/08/2016  
Next Scheduled EDR Contact: 05/23/2016  
Data Release Frequency: Annually

### SANTA CRUZ COUNTY:

#### CUPA Facility List

CUPA facility listing.

Date of Government Version: 11/18/2015  
Date Data Arrived at EDR: 11/23/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 18

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### SHASTA COUNTY:

#### CUPA Facility List

Cupa Facility List.

Date of Government Version: 12/09/2015  
Date Data Arrived at EDR: 12/10/2015  
Date Made Active in Reports: 01/21/2016  
Number of Days to Update: 42

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 11/18/2015  
Next Scheduled EDR Contact: 03/07/2016  
Data Release Frequency: Varies

### SOLANO COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 10/30/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 56

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 09/10/2015  
Next Scheduled EDR Contact: 12/28/2015  
Data Release Frequency: Quarterly

### Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 10/30/2015  
Date Data Arrived at EDR: 12/14/2015  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 56

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 12/10/2015  
Next Scheduled EDR Contact: 03/28/2016  
Data Release Frequency: Quarterly

### SONOMA COUNTY:

#### Cupa Facility List

Cupa Facility list

Date of Government Version: 09/28/2015  
Date Data Arrived at EDR: 09/30/2015  
Date Made Active in Reports: 11/05/2015  
Number of Days to Update: 36

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 01/11/2016  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Varies

### Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 01/05/2016  
Date Data Arrived at EDR: 01/07/2016  
Date Made Active in Reports: 02/08/2016  
Number of Days to Update: 32

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 12/23/2015  
Next Scheduled EDR Contact: 04/11/2016  
Data Release Frequency: Quarterly

### SUTTER COUNTY:

#### Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/07/2015  
Date Data Arrived at EDR: 12/08/2015  
Date Made Active in Reports: 12/17/2015  
Number of Days to Update: 9

Source: Sutter County Department of Agriculture  
Telephone: 530-822-7500  
Last EDR Contact: 12/04/2015  
Next Scheduled EDR Contact: 03/21/2016  
Data Release Frequency: Semi-Annually

### TUOLUMNE COUNTY:

#### CUPA Facility List

Cupa facility list

Date of Government Version: 10/29/2015  
Date Data Arrived at EDR: 10/30/2015  
Date Made Active in Reports: 12/11/2015  
Number of Days to Update: 42

Source: Division of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 01/25/2016  
Next Scheduled EDR Contact: 05/09/2016  
Data Release Frequency: Varies

### VENTURA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 07/27/2015	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 08/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 09/03/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 17	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

### Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011	Source: Environmental Health Division
Date Data Arrived at EDR: 12/01/2011	Telephone: 805-654-2813
Date Made Active in Reports: 01/19/2012	Last EDR Contact: 12/30/2015
Number of Days to Update: 49	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Annually

### Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008	Source: Environmental Health Division
Date Data Arrived at EDR: 06/24/2008	Telephone: 805-654-2813
Date Made Active in Reports: 07/31/2008	Last EDR Contact: 02/14/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 05/30/2016
	Data Release Frequency: Quarterly

### Medical Waste Program List

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

Date of Government Version: 09/28/2015	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 10/28/2015	Telephone: 805-654-2813
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 01/25/2016
Number of Days to Update: 22	Next Scheduled EDR Contact: 05/09/2016
	Data Release Frequency: Quarterly

### Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 11/30/2015	Source: Environmental Health Division
Date Data Arrived at EDR: 12/17/2015	Telephone: 805-654-2813
Date Made Active in Reports: 02/08/2016	Last EDR Contact: 12/17/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/28/2016
	Data Release Frequency: Quarterly

### YOLO COUNTY:

#### Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 10/19/2015	Source: Yolo County Department of Health
Date Data Arrived at EDR: 10/27/2015	Telephone: 530-666-8646
Date Made Active in Reports: 11/19/2015	Last EDR Contact: 02/01/2016
Number of Days to Update: 23	Next Scheduled EDR Contact: 04/18/2016
	Data Release Frequency: Annually

### YUBA COUNTY:

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/13/2015

Date Data Arrived at EDR: 11/17/2015

Date Made Active in Reports: 12/11/2015

Number of Days to Update: 24

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523

Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016

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: 07/30/2013

Date Data Arrived at EDR: 08/19/2013

Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375

Last EDR Contact: 11/16/2015

Next Scheduled EDR Contact: 02/29/2016

Data Release Frequency: No Update Planned

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013

Date Data Arrived at EDR: 07/17/2015

Date Made Active in Reports: 08/12/2015

Number of Days to Update: 26

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 01/15/2016

Next Scheduled EDR Contact: 04/25/2016

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: 11/02/2015

Date Data Arrived at EDR: 11/08/2015

Date Made Active in Reports: 12/09/2015

Number of Days to Update: 31

Source: Department of Environmental Conservation

Telephone: 518-402-8651

Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016

Data Release Frequency: Annually

#### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014

Date Data Arrived at EDR: 07/24/2015

Date Made Active in Reports: 08/18/2015

Number of Days to Update: 25

Source: Department of Environmental Protection

Telephone: 717-783-8990

Last EDR Contact: 01/19/2016

Next Scheduled EDR Contact: 05/02/2016

Data Release Frequency: Annually

#### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013

Date Data Arrived at EDR: 06/19/2015

Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797

Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016

Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014

Date Data Arrived at EDR: 03/19/2015

Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/28/2016

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.

### 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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**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 & Game

Telephone: 916-445-0411

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### STREET AND ADDRESS INFORMATION

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

REIF LEONA M TRUSTEE  
NOT REPORTED  
SAN MARTIN, CA 95046

### **TARGET PROPERTY COORDINATES**

Latitude (North):	37.075128 - 37° 4' 30.46"
Longitude (West):	121.587347 - 121° 35' 14.45"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	625575.1
UTM Y (Meters):	4103936.5
Elevation:	263 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	5640386 GILROY, 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 principal 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).

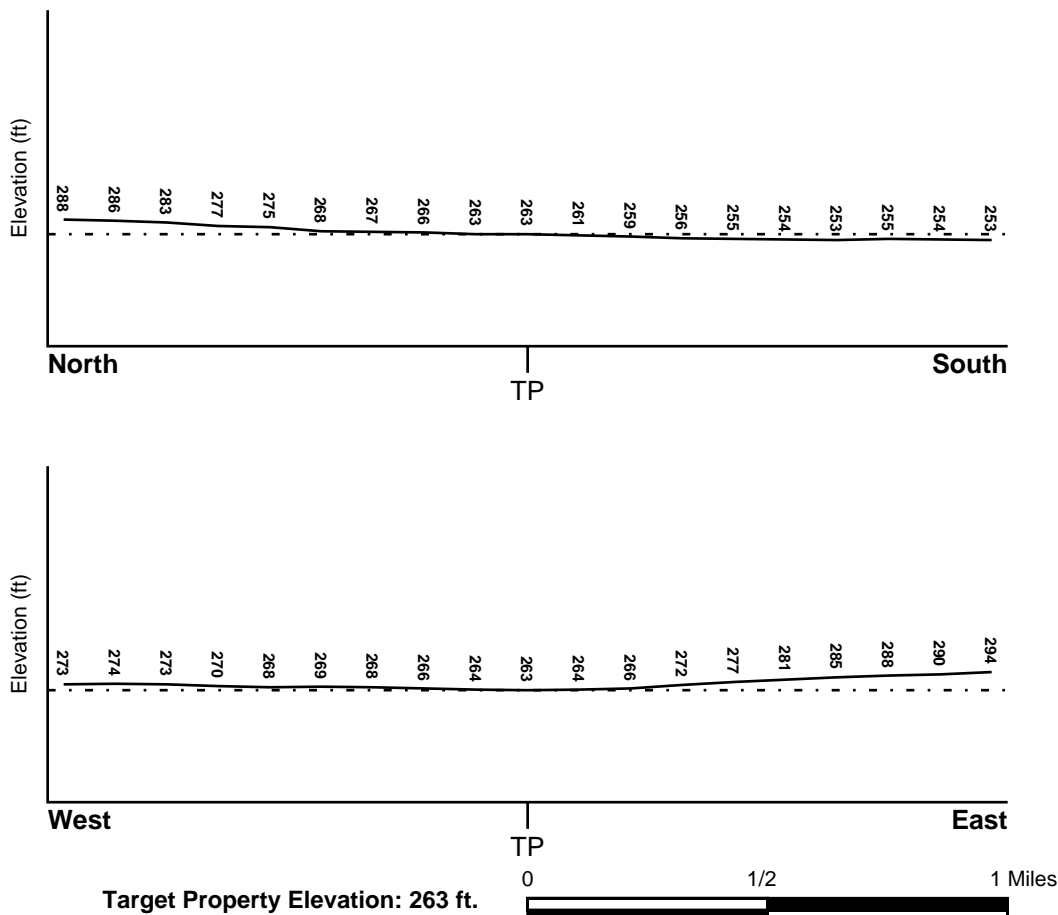
### TOPOGRAPHIC INFORMATION

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 SSW

### 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

Target Property County  
SANTA CLARA, CA

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06085C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
GILROY

NWI Electronic  
Data Coverage  
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</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

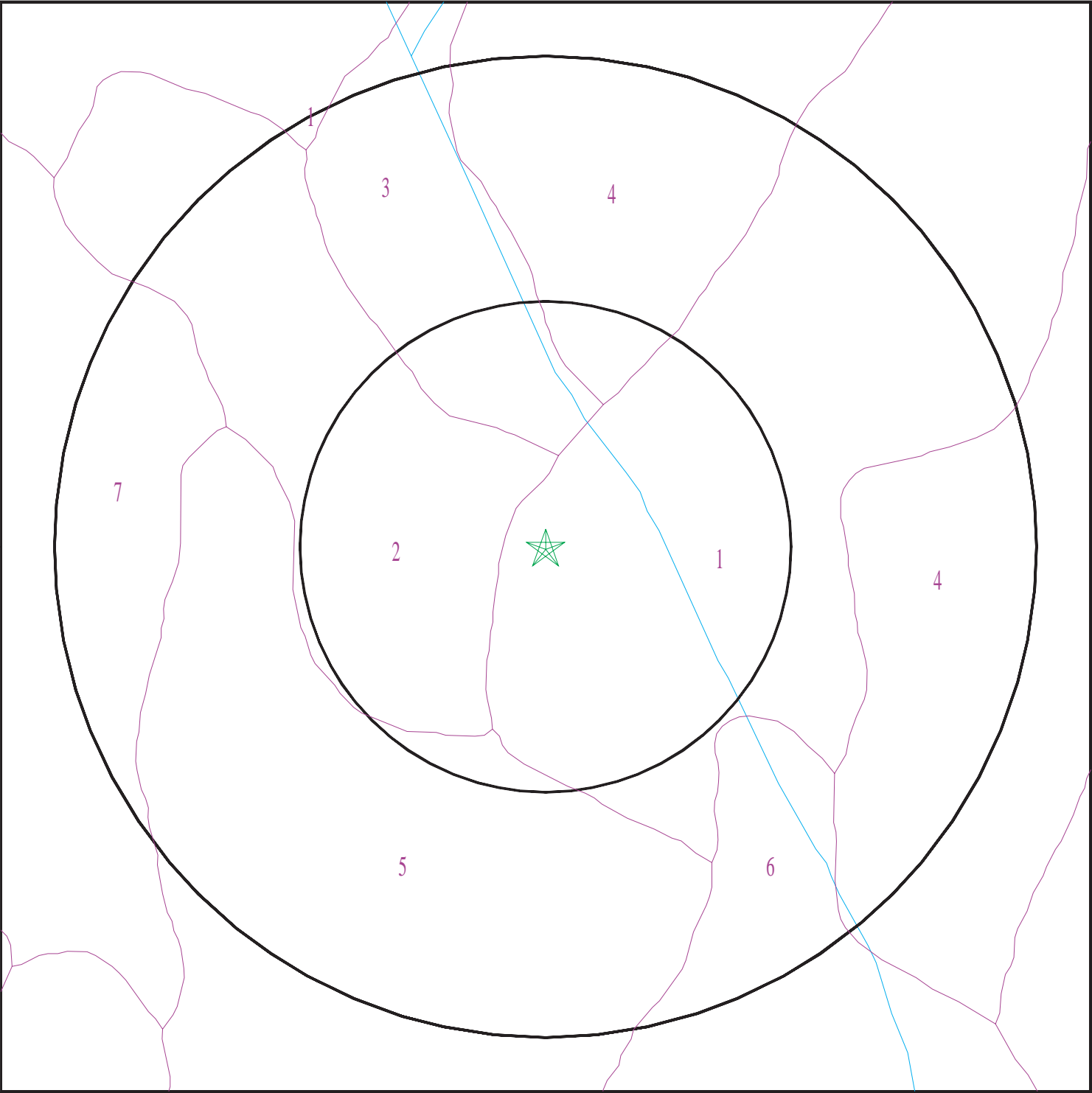
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

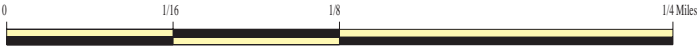
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 4539551.359s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Reif Leona M Trustee  
ADDRESS: Not Reported  
San Martin CA 95046  
LAT/LONG: 37.075128 / 121.587347

CLIENT: Nichols Consulting Eng., Chtd.  
CONTACT: Brett Bardsley  
INQUIRY #: 4539551.359s  
DATE: February 16, 2016 4:28 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: PLEASANTON

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	18 inches	44 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
3	44 inches	66 inches	gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: PLEASANTON

Soil Surface Texture: gravelly loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	18 inches	44 inches	gravelly clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
3	44 inches	66 inches	gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1

### Soil Map ID: 3

Soil Component Name: CROPLEY

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	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: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	14 inches	35 inches	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: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	35 inches	59 inches	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: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

### Soil Map ID: 4

Soil Component Name: SAN YSIDRO VARIANT

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	20 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6 Min: 5.6
2	20 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 6 Min: 5.6
3	29 inches	42 inches	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: 1.4 Min: 0.42	Max: 5.5 Min: 5.1
4	42 inches	57 inches	gravelly clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 5.5 Min: 5.1

### Soil Map ID: 5

Soil Component Name: ZAMORA

Soil Surface Texture: clay loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
2	14 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
3	35 inches	57 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6
4	57 inches	70 inches	gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.6

### Soil Map ID: 6

Soil Component Name: RINCON

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
2	18 inches	37 inches	gravelly clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 8.4 Min: 6.6
3	37 inches	50 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
4	50 inches	72 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

### Soil Map ID: 7

Soil Component Name: SAN YSIDRO

Soil Surface Texture: loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 183 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	20 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 14 Min: 4	Max: 6.5 Min: 5.6
2	20 inches	35 inches	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: 1.4 Min: 0.42	Max: 7.3 Min: 6.1
3	35 inches	50 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
4	50 inches	59 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean 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 0.001 miles
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

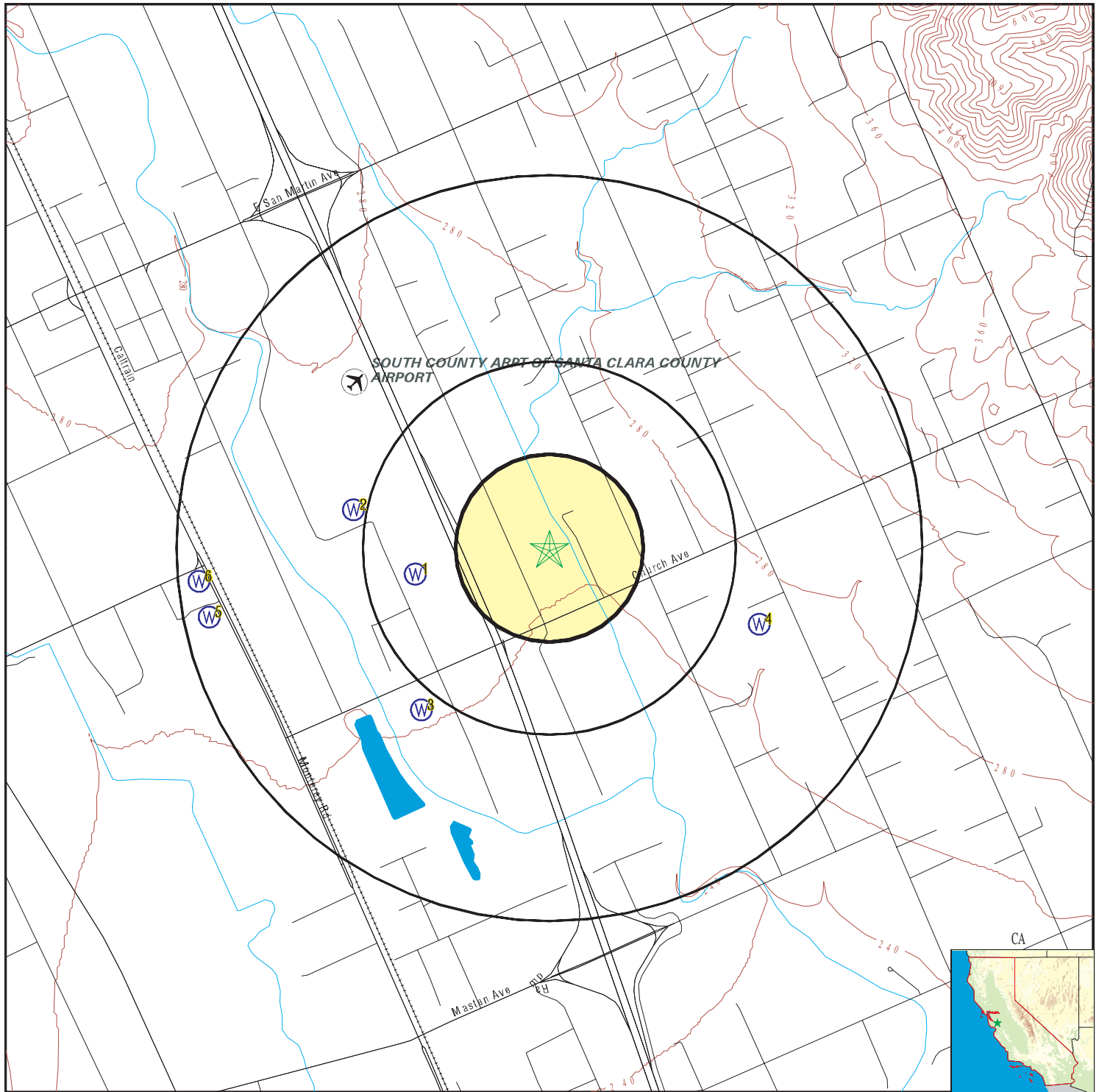
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	10136	1/4 - 1/2 Mile West
2	10135	1/2 - 1 Mile West
3	10137	1/2 - 1 Mile SW
4	10180	1/2 - 1 Mile ESE
5	19771	1/2 - 1 Mile WSW
6	10134	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 4539551.359s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin CA 95046  
 LAT/LONG: 37.075128 / 121.587347

CLIENT: Nichols Consulting Eng.,Chtd.  
 CONTACT: Brett Bardsley  
 INQUIRY #: 4539551.359s  
 DATE: February 16, 2016 4:28 pm

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**1**  
**West**  
**1/4 - 1/2 Mile**  
**Higher**

CA WELLS 10136

### Water System Information:

Prime Station Code:	10S/03E-12P07 M	User ID:	HEN
FRDS Number:	4300814001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370427.0 1213534.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300814		
System Name:	SCC Animal Shelter/Airport		
Organization That Operates System:	1555 BERGER DRIVE #3 SAN JOSE, CA 95112		
Pop Served:	25	Connections:	1
Area Served:	Not Reported		
Sample Collected:	12-JUL-11	Findings:	4.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-JUL-12	Findings:	3.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	22-JUL-13	Findings:	6.1 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	15-JUL-14	Findings:	. 5.9 MG/L
Chemical:	NITRATE (AS NO3)		

**2**  
**West**  
**1/2 - 1 Mile**  
**Higher**

CA WELLS 10135

### Water System Information:

Prime Station Code:	10S/03E-12M10 M	User ID:	HEN
FRDS Number:	4300839001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	370436.0 1213545.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300839		
System Name:	San Martin Lions Club		
Organization That Operates System:	P.O. BOX 33 SAN MARTIN, CA 95046		
Pop Served:	250	Connections:	1
Area Served:	Not Reported		
Sample Collected:	07-DEC-11	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	12-DEC-12	Findings:	7.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	16-DEC-13	Findings:	6.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-DEC-14	Findings:	. 9.1 MG/L
Chemical:	NITRATE (AS NO3)		

**3**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**CA WELLS 10137**

**Water System Information:**

Prime Station Code:	10S/03E-13C06 M	User ID:	HEN
FRDS Number:	4300832001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	370408.0 1213533.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01		
System Number:	4300832		
System Name:	South County Retirement Home		
Organization That Operates System:	460 CHURCH AVE SAN MARTIN, CA 95046		
Pop Served:	110	Connections:	35
Area Served:	Not Reported		
Sample Collected:	08-DEC-11	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08-DEC-11	Findings:	8.
Chemical:	PH, LABORATORY		
Sample Collected:	08-DEC-11	Findings:	180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	08-DEC-11	Findings:	210. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	08-DEC-11	Findings:	240. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	08-DEC-11	Findings:	46. MG/L
Chemical:	CALCIUM		
Sample Collected:	08-DEC-11	Findings:	31. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	08-DEC-11	Findings:	14. MG/L
Chemical:	SODIUM		
Sample Collected:	08-DEC-11	Findings:	17. MG/L
Chemical:	CHLORIDE		
Sample Collected:	08-DEC-11	Findings:	0.12 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	08-DEC-11	Findings:	280. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	08-DEC-11	Findings:	0.38
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	08-DEC-11	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08-DEC-11	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	11-DEC-12	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	10-DEC-13	Findings:	15. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	17-NOV-14	Findings:	. 1.2 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	09-DEC-14	Findings:	. 17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	23-FEB-15	Findings:	. 5. UNITS
Chemical:	COLOR		
Sample Collected:	23-FEB-15	Findings:	. 480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	23-FEB-15	Findings:	. 7.7
Chemical:	PH, LABORATORY		
Sample Collected:	23-FEB-15	Findings:	. 180. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	23-FEB-15	Findings:	. 210. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	23-FEB-15	Findings:	. 230. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	23-FEB-15	Findings:	. 46. MG/L
Chemical:	CALCIUM		
Sample Collected:	23-FEB-15	Findings:	. 29. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	23-FEB-15	Findings:	. 14. MG/L
Chemical:	SODIUM		
Sample Collected:	23-FEB-15	Findings:	. 17. MG/L
Chemical:	CHLORIDE		
Sample Collected:	23-FEB-15	Findings:	. 140. UG/L
Chemical:	IRON		
Sample Collected:	23-FEB-15	Findings:	. 82. UG/L
Chemical:	ZINC		
Sample Collected:	23-FEB-15	Findings:	. 300. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	23-FEB-15	Findings:	. 8.e-002
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	23-FEB-15	Findings:	. 15. MG/L
Chemical:	NITRATE (AS NO3)		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected: 23-FEB-15 Findings: . 12.  
Chemical: AGGRSSIVE INDEX (CORROSIVITY)

**4**  
**ESE**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS 10180**

### Water System Information:

Prime Station Code:	10S/04E-07P01 M	User ID:	43C
FRDS Number:	4300634001	County:	Santa Clara
District Number:	73	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370420.0 1213434.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300634		
System Name:	SCHROMM MUTUAL WATER CO		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		

**5**  
**WSW**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS 19771**

### Water System Information:

Prime Station Code:	4300543-004	User ID:	HEN
FRDS Number:	4300543004	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/INTAKE/SUPPLY
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	370421.0 1213610.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	COUNTY BUILDING WELL		
System Number:	4300543		
System Name:	West San Martin Water Works		
Organization That Operates System:	1005 HIGHLAND AVE SAN MARTIN, CA 95046		
Pop Served:	700	Connections:	168
Area Served:	Not Reported		
Sample Collected:	05-JAN-11	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-JAN-11	Findings:	5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02-FEB-11	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03-MAR-11	Findings:	560. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03-MAR-11	Findings:	4.3 UG/L
Chemical:	PERCHLORATE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09-MAR-11	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06-APR-11	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-MAY-11	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02-JUN-11	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06-JUL-11	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-AUG-11	Findings:	480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	24-AUG-11	Findings:	22. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-SEP-11	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-OCT-11	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-OCT-11	Findings:	4.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01-NOV-11	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01-NOV-11	Findings:	4.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01-NOV-11	Findings:	21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12-MAR-12	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	19-MAR-12	Findings:	550. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	19-MAR-12	Findings:	7.9
Chemical:	PH, LABORATORY		
Sample Collected:	19-MAR-12	Findings:	150. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO3		
Sample Collected:	19-MAR-12	Findings:	180. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	19-MAR-12	Findings:	240. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO3		
Sample Collected:	19-MAR-12	Findings:	50. MG/L
Chemical:	CALCIUM		
Sample Collected:	19-MAR-12	Findings:	29. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	19-MAR-12	Findings:	17. MG/L
Chemical:	SODIUM		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	19-MAR-12	Findings:	45. MG/L
Chemical:	CHLORIDE		
Sample Collected:	19-MAR-12	Findings:	0.15 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	19-MAR-12	Findings:	530. UG/L
Chemical:	IRON		
Sample Collected:	19-MAR-12	Findings:	24. UG/L
Chemical:	MANGANESE		
Sample Collected:	19-MAR-12	Findings:	150. UG/L
Chemical:	ALUMINUM		
Sample Collected:	19-MAR-12	Findings:	300. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	19-MAR-12	Findings:	0.24
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	19-MAR-12	Findings:	18. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	19-MAR-12	Findings:	1.2 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	19-MAR-12	Findings:	12.
Chemical:	AGGRSSIVE INDEX (CORROSIVITY)		
Sample Collected:	05-APR-12	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-MAY-12	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-MAY-12	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	21-MAY-12	Findings:	20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	21-MAY-12	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04-JUN-12	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04-JUN-12	Findings:	5.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	27-AUG-12	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	27-AUG-12	Findings:	5.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04-SEP-12	Findings:	5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	18-SEP-12	Findings:	4.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05-OCT-12	Findings:	5.8 UG/L
Chemical:	PERCHLORATE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03-DEC-12	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03-JAN-13	Findings:	5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10-APR-13	Findings:	5.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	10-JUL-13	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10-JUL-13	Findings:	19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04-SEP-13	Findings:	6. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08-OCT-13	Findings:	6. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06-NOV-13	Findings:	4.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	18-NOV-13	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	18-NOV-13	Findings:	17. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	18-NOV-13	Findings:	5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09-JAN-14	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05-FEB-14	Findings:	. 520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05-FEB-14	Findings:	. 19. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09-MAY-14	Findings:	. 5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	13-MAY-14	Findings:	. 530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	13-MAY-14	Findings:	. 20. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	13-MAY-14	Findings:	. 4.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	11-AUG-14	Findings:	. 5.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02-OCT-14	Findings:	. 5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	14-NOV-14	Findings:	. 4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05-DEC-14	Findings:	. 4.2 UG/L
Chemical:	PERCHLORATE		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	15-DEC-14	Findings:	. 1.3 UG/L
Chemical:	CHROMIUM, HEXAVALENT		
Sample Collected:	15-DEC-14	Findings:	. 21. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07-JAN-15	Findings:	. 4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09-FEB-15	Findings:	. 5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	28-APR-15	Findings:	. 14. MG/L
Chemical:	NITRATE (AS NO3)		

**6**  
**West**  
**1/2 - 1 Mile**  
**Higher**

**CA WELLS 10134**

### Water System Information:

Prime Station Code:	10S/03E-11R03 M	User ID:	HEN
FRDS Number:	4300604001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Inactive Raw
Source Lat/Long:	370426.0 1213612.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01 - INACTIVE		
System Number:	4300604		
System Name:	SCC DGS-South County Bldg		
Organization That Operates System:	1555 BERGER DRIVE BLDG #3		
	SAN JOSE, CA 95112		
Pop Served:	1000	Connections:	1
Area Served:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

### AREA RADON INFORMATION

State Database: CA Radon

#### Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95046	5	2

Federal EPA Radon Zone for SANTA CLARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 95046

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.200 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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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 & Game

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.

### RADON

#### State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

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

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

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

### STREET AND ADDRESS INFORMATION

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## **APPENDIX C**

**HISTORICAL CITY DIRECTORY, HISTORICAL AERIAL PHOTOGRAPHS, SANBORN  
FIRE INSURANCE MAPS, HISTORICAL TOPOGRAPHIC MAPS, BUILDING  
DEPARTMENT RECORDS, LIEN SEARCH REPORTS, PROPERTY TAX MAP REPORT**

**Reif Leona M Trustee**

Not Reported  
San Martin, CA 95046

Inquiry Number: 4539551.362  
February 17, 2016

## The EDR-City Directory Image Report

## TABLE OF CONTENTS

### **SECTION**

**Executive Summary**

**Findings**

**City Directory Images**

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## 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.

### 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>
2013	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Information Services
1991	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1986	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1970	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

### RECORD SOURCES

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## FINDINGS

### TARGET PROPERTY STREET

Not Reported  
San Martin, CA 95046

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### CHURCH AVE

2013	pg A2	Cole Information Services
2008	pg A4	Cole Information Services
2003	pg A6	Cole Information Services
1999	pg A8	Cole Information Services
1995	pg A10	Cole Information Services
1991	pg A11	Haines Criss-Cross Directory
1986	pg A12	Haines Criss-Cross Directory
1980	pg A13	Haines Criss-Cross Directory
1975	pg A14	Haines Criss-Cross Directory
1975	pg A15	Haines Criss-Cross Directory
1970	-	Haines Criss-Cross Directory

Street not listed in Source

## FINDINGS

### CROSS STREETS

No Cross Streets Identified

## **City Directory Images**

## CHURCH AVE 2013

1 SAN MARTIN FLORIST & DELIVERY  
 32 MITCHELL BAKICH  
 34 APOLONIO JUAREGUI  
 38 LEONARD CAETANO  
 41 SALLI ONEAL  
 325 STEVEN KNEPPER  
 440 OCCUPANT UNKNOWN  
 460 CLARISSA WEBBER  
 JUDITH DEQUIROS  
 SOUTH COUNTY RETIREMENT HOME  
 520 PETER SCAPINELO  
 530 ZACHARY CAVAGNARO-JACKSON  
 560 MARISELA ORTEGA  
 NANCY ROBLES  
 OCCUPANT UNKNOWN  
 700 ANGELO ROBBA  
 MICHAEL VALENZUELA  
 1025 PHUONG CHU  
 1040 FELIX DOMINGUEZ  
 1050 ROBERT VELADOR  
 1060 OCCUPANT UNKNOWN  
 1155 RICHARD SANDERS  
 1200 RICHARD PERINO  
 1205 ANDREW GILLHAM  
 1210 VALARIE PERINO  
 1300 THOA NGUYEN  
 1360 ANA ZIPAGAN  
 1440 ALYCE KAWASHIMA  
 1460 FRITZ CUNNINGHAM  
 1500 OCCUPANT UNKNOWN  
 1615 OCCUPANT UNKNOWN  
 1640 JAMES CORVI  
 1700 SCOTT BURA  
 1705 RAYMOND JIMENEZ  
 1725 JEFFRY WEISZ  
 1750 DEAN WOOD  
 1800 MANUEL NUNES  
 1810 FRED YOUNG  
 1830 MANUEL COSTA  
 1835 REX STEVENS  
 1850 CRAIG MEEKS  
 1851 HARRY JENKINS  
 JAVIER SANCHEZ  
 TIMOTHY MCREYNOLDS  
 1890 FRANCISCA DELGADILLO  
 1925 JAIME RODRIGUEZ  
 MARILYN ASANON  
 1955 CHRISTOPHER MABIE  
 1960 OCCUPANT UNKNOWN  
 1970 QUINN OBRIEN

**CHURCH AVE 2013 (Cont'd)**

1985	DONALD LEMA
2010	BILLY DAILY
	OCCUPANT UNKNOWN
2015	JERRY KELLY
2035	DARRELL MCQUISTON
2075	LEONARD PERRY
2120	DANIEL LIMA
2135	RONALD BAULDRY
2225	ROBERT HENLEY
2400	OCCUPANT UNKNOWN
2410	GILBERT DURAN
2420	MARTIN MUNOZ
2430	BERNARD BOHLIN
2440	DAN SIEBENTHAL
2485	KENNETH BROWN
2500	JEFF DRENNON
	MARC BRAVO
	MARIA BONILLA
2505	JAMES BUCHNER
2590	JOHN CRIVELLO
2655	BARRY SHILLER
2665	RALPH ADAMS
2695	JACOB WOODHAMS

**CHURCH AVE 2008**

34 APOLONIO JUAREGUI  
 190 CLARA PERINO  
 325 STEVEN KNEPPER  
 460 JUDITH DEQUIROS  
 SOUTH COUNTY RETIREMENT HOME  
 520 PETER SCAPINELO  
 530 DAVE CONRIQUE  
 560 CHRISTINE LANIER  
 DAVID CONRIQUE  
 KATHY SHAW  
 MARLO FLANSBURG  
 RAELENE ROBLES  
 TAYLOR MADE FARMS  
 700 ANGELO ROBBA  
 MICHAEL VALENZUELA  
 1025 NHU CHU  
 1040 FELIX DOMINGUEZ  
 1060 ELFEGO LARA  
 1155 RICHARD SANDERS  
 1200 RICHARD PERINO  
 1205 LESLEY GADBYS  
 RIOUX DECORATIVE FINISHES  
 1300 THOA NGUYEN  
 VO UU BUDDHIST MEDITATION ASSOCIATES  
 1306 OCCUPANT UNKNOWN  
 1360 ANA ZIPAGAN  
 1440 JULIE KAWASHIMA  
 1460 OCCUPANT UNKNOWN  
 1480 R GRIFFIN  
 1500 ROBERT GRIFFIN  
 1615 OCCUPANT UNKNOWN  
 1640 IGNACIO AGUILAR  
 1700 OSCAR LOPEZ  
 1705 RAYMOND JIMENEZ  
 1725 JEFFRY WEISZ  
 THIRD GENERATION CONSTRUCTION  
 1750 DEAN WOOD  
 SANDRAS DAY CARE  
 1790 FRANCISCA DELGADILLO  
 1800 MANUEL NUNES  
 1810 FRED YOUNG  
 1830 FABIAN GUITTERREZ  
 GUTIERREZ CONCRETE PUMPING  
 1835 OCCUPANT UNKNOWN  
 PHUOC STEVENS  
 1850 CRAIG MEEKS  
 1851 ALEXANDER AUGUSTYN  
 CHARLES QUENTAL  
 HARRY JENKINS  
 HARRY JENKINS

**CHURCH AVE 2008 (Cont'd)**

1890	OCCUPANT UNKNOWN
1925	MARILYN ASANON
	NORMA ASANION
1955	ANN MACLAREN
1960	MARTIN EDWARDS
1970	QUINN OBRIEN
1985	DONALD LEMA
2005	LORILL RANCH
2010	BILLY DAILY
	OCCUPANT UNKNOWN
2013	OCCUPANT UNKNOWN
2015	JERRY KELLY
2035	DARRELL MCQUISTON
	RUT HOPPER BOBCAT
2075	CASCADE WINDOW CLEANING
	MARLENE CALDERON
2120	DANIEL LIMA
	THE SLEEPING COYOTE FARM
2135	RONALD BAULDRY
2225	ROBERT HENLEY
2400	ANTONIO DASILVA
2410	GILBERT DURAN
2420	MARTIN MUNOZ
2430	BERNARD BOHLIN
2440	DAN SEIBENTHAL
2485	KENNETH BROWN
2500	ART NARANO
	GEORGIA COLLINS
	MARIA BONILLA
	RAY LONGINETTI
	RAY LONGINETTI
2505	ISABELLE BUCHNER
2575	PHILIP BARNES
2590	JOHN CRIVELLO
2595	CAROL SPALDING
	CORDY CONSTRUCTION CO
2665	RALPH ADAMS
2695	JACOB WOODHAMS

## CHURCH AVE 2003

190	CLARA PERINO
325	OCCUPANT UNKNOWN
460	DANA ARMSTRONG
	SOUTH COUNTY RETIREMENT HOME
520	OCCUPANT UNKNOWN
530	CONSTANCE HOLT
560	KAREN LANIER
	ROBERT TURNOVSKY
	TAYLOR MADE FARMS
700	ANGELO ROBBA
	MICHAEL VALENZUELA
	WAYNE MOORE
1025	HANG CHU
1040	FELIX DOMINGUEZ
1050	STEVE REES
1060	DAVID MATTHEW
1150	RAMON CONTRERAS
1155	RICHARD SANDERS
1200	RICHARD PERINO
1205	LESLEY GADSBY
	RIOUX DECORATIVE FINISHES
1210	OCCUPANT UNKNOWN
1300	JENNIFER LE
	LEJENNIFER
1306	AZUCENA ZIPAGAN
1440	JULIE KAWASHIMA
1460	FRITZ CUNNINGHAM
1480	R GRIFFIN
1500	HEATHER HUMMEL
1615	OCCUPANT UNKNOWN
1640	OCCUPANT UNKNOWN
1700	JAMES WAGNER
1705	RAYMOND JIMENEZ
1725	JEFF WEISZ
1750	DEAN WOOD
1790	FRANCISCA DELGADILLO
1800	DANIELLE NUNES
1810	FRED YOUNG
1830	JOHN WILLIAMS
1835	REX STEVENS
1850	OCCUPANT UNKNOWN
1851	ALEXANDER AGUSTYN
	ALEXANDER AUGUSTYN
	CHARLES QUENTAL
	HARRY JENKINS
	HARRY JENKINS
1925	LUIS VIGIL
1955	JUDITH MABIE
1960	DAVID KADEL
1970	BEVON MARTINEZ

**CHURCH AVE 2003 (Cont'd)**

1985	DONALD LEMA
2005	LORILL RANCH
2013	OCCUPANT UNKNOWN
2015	DAVID PERRIN
2035	DARRELL MCQUISTON
2075	JASON MENDONCA
2120	DANIEL LIMA
2135	RONALD BAULDRY
2225	ROBERTA WRIGHT
2400	ANTONIO SILVA
2410	LYDIA DURAN
2420	ALAN WOLF
2440	OCCUPANT UNKNOWN
2485	KENNETH BROWN
2500	RAY LONGINETTI
2505	WILLIAM BUCHNER
2575	PHILIP BARNES
2590	JOHN CRIVELLO
2595	CAROL SPALDING
2655	MARY SHILLER
2665	RALPH ADAMS
2695	RICHARD TERRY

## CHURCH AVE 1999

34	APOLONIO JUAREGUI
190	OCCUPANT UNKNOWN
325	OCCUPANT UNKNOWN
460	JAMES GOWAN
	JUDITH DEQUIROS
	SOUTH COUNTY RETIREMENT HOME
520	PETER SCAPINELLO
530	DAVE CONRIQUE
560	RAELENE ROBLES
700	ANGELO ROBBA
	WAYNE MOORE
1025	NHU CHU
1040	FELIX DOMINGUEZ
1050	JOSEPHINE VELADOF
	LYDIA CARRIERE
1060	ELFEGO LARA
1150	RAMON CONTRERAS
1155	JOHN SANDERS
1200	RICHARD PERINO
1205	LESLEY GADBYS
1300	THOA NGUYEN
1306	DOLLY ESMAEL
1360	ANA ZIPAGAN
1440	ALYCE KAWASHIMA
1460	FRITZ CUNNINGHAM
1480	R GRIFFIN
1500	ROBERT GRIFFIN
1615	OCCUPANT UNKNOWN
1640	IGNACIO AGUILAR
1700	ELIZABETH ARIAS
1705	RAYMOND JIMENEZ
1725	JEFFRY WEISZ
1750	DEAN WOOD
1790	FRANCISCA DELGADILLO
1800	MANUEL NUNES
1810	FRED YOUNG
1830	KORINA DIAZ
1835	REX STEVENS
1850	CRAIG MEEKS
1851	ALEXANDER AUGUSTYN
	HARRY JENKINS
1925	BLANCA GIMENEZ
	MARILYN ASANON
1955	JUDITH MABIE
1970	BEVON MARTINEZ
1985	DONALD LEMA
2010	BILLY DAILY
2015	JERRY KELLY
2035	DARRELL MCQUISTON
2075	MARLENE CALDERON

**CHURCH AVE      1999      (Cont'd)**

2120	DANIEL LIMA
2135	RONALD BAULDRY
2225	ROBERT HENLEY
2410	GILBERT DURAN
2420	MARTIN MUNOZ
2430	DAN STRICKLAND
2440	DAN SIEBENTHAL
	WILLIAM HAUER
2485	KENNETH BROWN
2500	ART NARANO
	JEFF DRENNON
	MARIA BONILLA
2505	JAMES BUCHNER
2575	PHILIP BARNES
2590	JOHN CRIVELLO
2595	CAROL SPALDING
2665	RALPH ADAMS
2695	JACOB WOODHAMS

**CHURCH AVE 1995**

0	MCLELLAN, BARBARA
190	PERINO, BOB
325	KNEPPER, GLEN
460	ARMSTRONG, DANA
	SOUTH COUNTY RETIREMENT HOME
560	LONEOAK RANCH
700	ROBBA, ANGELO
1040	DOMINGUEZ, F
1060	ROBERDS, K S
	ROBERDS, KAREN
1155	SANDERS, RICHARD J
1200	PERINO, JAMES
1205	JARREZ, JOSEPH
	KAMMERER, ROBERT A
1460	HOFER, N R
1500	HOFER, N F
1700	MILLER, ROBERT
1705	JIMENEZ, RAYMOND D
1725	HARDIN, KELLIE
1750	WOOD, DEAN
	WOOD, DEAN
1800	RIVERA, V
1810	YOUNG, FRED R
1830	OCCUPANT UNKNOWNN
1835	STEVENS, REX E
1851	JENKINS, HARRY D JR
	PERRY, R C
1890	DELGADILLO, IVAN M
1925	VIGIL, LUIS
1955	BUCKLAND, K D
	LYONS, STEVEN
1970	OBRIEN, REBECCA
2005	JORDAN, WILLIAM C
2010	VIVIAN, THOMAS
2035	FITTS, LEON
2120	LIMA, LAURA
2135	BAULDRY, RONALD D
2225	WRIGHT, HERSCHE
2410	DURAN, GILBERT
2440	HAUER, WILLIAM E
2500	LONGINETTI, RAY
2505	BUCHNER, WILLIAM A

## CHURCH AVE 1991

CHURCH AV 95020		
GILROY		
190	PERINO Bob	842-2032
380	★ A I D S PRJCT NURSE	848-6825 +0
	★ 1 BUS 1 RES 1 NEW	
CHURCH AV 95046		
SAN MARTIN		
325	KNEPPER Glen	683-2553
460	JONES E S	683-2129 9
	★ SOUTH CO RETRMNT HM	683-0229 1
490	XXXX	00
560	CARROLL Robert L	683-2778 8
	LONEOAK Ranch	683-2286 5
700	GAZCA Celia	683-4209 7
	ROBBA Angelo	683-2239 6
	ROBBA J	683-2307 6
715	XXXX	00
1025	XXXX	00
1040	DOMINGUEZ F	683-2433
	DOMINGUEZ G	683-2433
1155	WESSBECHER Uwe	683-0520 +0
1200	PERINO Jas	683-2921
1205	KAMMERER Robt A	683-0497 1
1210	XXXX	00
1414	XXXX	00
1440	KAWASHIMA Seige	683-2387
1460	HOFER N R	683-2447 7
1615	XXXX	00
1640	XXXX	00
1700	XXXX	00
1705	JIMENEZ Constance E	683-4495
	JIMENEZ Raymond D	683-4495
1725	XXXX	00
1750	★ ALPHA COMPUTER DATA	683-2842 +0
	WOOD Dean	683-2366 8
1800	XXXX	00
1810	YOUNG Fred R	683-4891
1830	JOHNSON Albin C	683-2752
1835	CARLISLE Ferne O	683-0569 3
	STEVENS Rex E	683-0619 3
1850	DAVIS Allan	683-4048
1851	JENKINS Harry D Jr	683-2788 8
	PERRY R C	683-4584
1890	XXXX	00
1925	VIGIL Luis	683-2102 6
	VIGIL Raul	683-2494 9
	VIGIL Susie	683-2406 8
1955	BUCKLAND K D	683-2186 6
1985	XXXX	00
2005	JORDAN Bill	683-4793
	JORDAN Wm C	683-4775
2007	HIGGINS Stanley J	683-2143 1
2010	XXXX	00
2013	XXXX	00
2015	PERRIN David	683-0415 +0
2035	BURDG Charles E	683-2863
2120	XXXX	00
2135	BAULDRY R D	683-4315 7
2225	WRIGHT Herschel	683-2219
	WRIGHT Roberta	683-2219 8
2400	XXXX	00
2410	DURAN Gilbert	683-2421 1
2420	XXXX	00
2440	HAUER W	683-2443 1
2500	LONGINETTI Ray	683-2818
2505	BUCHNER Wm A	683-2177
2575	XXXX	00
2590	CRIVELLO John R	683-0403
2595	XXXX	00
2655	XXXX	00
2665	XXXX	00
NO #	MCLELLAN Barbara	683-2953
	★ 2 BUS 63 RES 3 NEW	

## CHURCH AVE 1986

CHURCH AV 95020 GILROY			
190	PERINO BOB	842-2032	
★	0 BUS 1 RES	0 NEW	
CHURCH AV 95046 SAN MARTIN			
325	KNEPPER GLEN	683-2553	
460	CECILIAN V	683-0521 +6	
	★SOUTH CNTRY RETRMNT	683-0229	1
490	XXXX	00	
560	CARROLL ROBERT L	683-2778	5
	COX CURTIS	683-2047 +6	
	LONEOAK	683-2286	5
700	ROBBA ANGELO	683-2239 +6	
	ROBBA J	683-2307 +6	
715	XXXX	00	
1025	DUTRA JOE	683-4531	7
1040	DOMINGUEZ F	683-2433	
	DOMINGUEZ G	683-2433	5
1200	PERINO JAS	683-2921	
	SANDOVAL GUADALUPE	683-4886 +6	
1205	KAMMERER ROBT A	683-0497	1
1210	XXXX	00	
1414	XXXX	00	
1440	KAWASHIMA SEIGE	683-2387	0
1460	HOFFER N R	683-2499 +6	
1615	XXXX	00	
1640	XXXX	00	
1700	ROSE LES	683-4468	
1705	JIMENEZ CONSTANCE E	683-4495	
	JIMENEZ RAYMOND D	683-4495	
1725	XXXX	00	
1750	TABARES LIBRADO	683-0475	1
1800	TREGJO FRANCISCO J	683-4369 +6	
1810	YOUNG FRED R	683-4891	
1830	JOHNSON ALBIN C	683-2752	
1835	CARLISLE FERNE O	683-0569	3
	STEVENS REX E	683-0619	3
1850	DAVIS ALLAN	683-4048	0
1851	PERRY R C	683-4584	9
	★PERRY R C TRUCKING	683-2101	
1890	DELGADILLO IVAN M	683-2955	
1925	VIGIL LUIS	683-2102 +6	
1955	BUCKLAND K D	683-2186 +6	
1985	CHEADLE HAROLD	683-2260	
2005	JORDAN BILL	683-4793	9
	JORDAN WM C	683-4775	9
2007	HIGGINS STANLEY J	683-2143	1
2010	XXXX	00	
2013	SCHUELER WM	683-4550	
2015	PERRIN DAVID	683-2376 +6	
2035	BURDG CHARLES E	683-2863	
2120	XXXX	00	
2135	COWING THIMOTHY L	683-2907	8
2225	LOPEZ J P	683-2698	8
2400	XXXX	00	
2410	DURAN GILBERT	683-2421	1
2420	GONZALES EDW T	683-2253	
2440	HAUER W	683-2443	1
2500	KEMP J	683-4559 +6	
	LONGINETTI RAY	683-2818	
2505	BUCHNER WM A	683-2177	
2575	PENNA AL	683-2473 +6	
	PENNA SALLY	683-2473 +6	
2590	CRIVELLO JOHN R	683-0403	9
2595	XXXX	00	
2655	★PITTS P J INVESTGTN	683-2802	3
2665	XXXX	00	
NO #	MCLELLAN BARBARA	683-2953	
★	3 BUS 60 RES	13 NEW	

## CHURCH AVE 1980

## CHURCH AV 95020 GILROY

## SAN MARTIN AREA

1040	PRICHARD CLAUDE W	683-2235
1060	XXXX	00
1150	XXXX	00
★	0 BUS	3 RES 0 NEW

## CHURCH AV 95046 SAN MARTIN

189	XXXX	00
190	PERINO BOB	842-2032
325	KNEPPER GLEN	683-2553
460	XXXX	00
490	XXXX	00
560	PAGE JAMES C	683-0477 9
700A	ROBBA ANGELO	683-2239
A	ROBBA J	683-2307 3
B	ATKINSON ABEL	683-4522 7
715	HAYGOOD ROSE MRS	683-2594 2
1025	DUTRA JOE	683-4531 7
1060	COOLEY RICK F	683-0527 +0
1112	XXXX	00
1150	XXXX	00
1200	PERINO JAS	683-2921
1205	XXXX	00
1210	MOONEY DON	683-4887 8
1414	XXXX	00
1440	KAWASHIMA SEIGE	683-2387 +0
1460	HOER N R	683-2447 9
1615	XXXX	00
1640	TAPOLSKI EVELYN	683-0230 +0
1700	ROSE LES	683-4468 5
1705	CRAWFORD GERALD R	683-4351 5
1725	PHILLIPS G EARL	683-0514 +0
1750	XXXX	00
1800	TRUJILLO ANGEL M	683-2768 3
1810	YOUNG FRED R	683-4891 6
1830	JOHNSON ALBIN C	683-2752 6
1850	DAVIS ALLAN	683-4048 +0
1851	PERRY R C	683-4584 9
	PERRY R C TRUCKING	683-2101 3
	SHAW RONALD D	683-0599 +0
B	DECKER LEON	683-2913
1890	DELGADILLO IVAN M	683-2955 4
1925	LARA PRIMITIVO	683-4453 9
B	VIGIL LUIS	683-2102 5
1955A	BUCKLAND K D	683-2186
B	PARADIS ROBERT E	683-2720
1970	XXXX	00
1985	CHEADLE HAROLD	683-2260
2005	JORDAN BILL	683-4793 9
	JORDAN WILLIAM C	683-4775 9
2007	GREENE RICHARD A	683-2143
2010	XXXX	00
2013	SCHUELER WM	683-4550 6
2015	BLEAN WM C	683-2787 5
2035	BURDG CHARLES E	683-2863 5
2120	XXXX	00
2135	COWING THIMOTHY L	683-2907 8
2225	LOPEZ J P	683-2698 8
2400	XXXX	00
2420	GONZALES EDW T	683-2253 5
2440	HUAER W	683-2443 +0
2500	LONGINETTI RAY	683-2818 2
	LOPEZ HENRY R	683-2433 +0
A	COTA JOHN	683-2862
2505	BUCHNER WM A	683-2177
2590	CRIVELLO JOHN R	683-0403 9
2595	SPALDING D R	683-2166
2665	WHALEN IRV	683-0619 +0
NO #	MCLELLAN BARBARA	683-2953 3
★	1 BUS	61 RES 9 NEW

## CHURCH AVE 1975

CHURCH AV 95020 GILROY

SAN MARTIN AREA

1040 PRICHARD CLAUDE W 683-2235  
 1060 MORLAN DAVID MRS 683-2111 4  
 \* 0 BUS 2 RES 0 NEW

CHURCH AV 95046 SAN MARTIN

113 XXXX 00  
 189 BALL WALTER 683-2200  
 190 PERINO BOB 842-2032  
 325 KNEPPER GLEN 683-2553  
 460 SERPA L 683-2021  
     SERPA M 683-4208+5  
 490 STOTESBERRY LEWIS 683-2028 4  
 560 XXXX 00  
 700A ROBBA ANGELO 683-2239  
     A ROBBA J 683-2307 3  
 715 HAYGOOD ROSE MRS 683-2594 2  
 1025 MERCER CANDY 683-4387+5  
 1150 CHAREZ GONZALO 683-2754+5  
 1152 ALBA JUAN 683-2206 2  
 1200 PERINO JAS 683-2921  
 1205 KAMMERER ROBT A 683-4325 4  
 1210 PERINO JOSIE MRS 683-2744  
 1615 RIOS PHILLIP 683-4324+5  
 1640 XXXX 00 \*  
 1700 ROSE LES 683-4468+5  
 1705 CRAWFORD GERALD R 683-4351+5  
 1725 LEON GERALD D 683-4497 4  
 1750 HARRIS PETER M 683-2215 3  
 1800 TRUJILLO ANGEL M 683-2768 3  
 1850 GORTON L P 683-2916+5  
     PAROLA MIKE 683-2916+5  
 1851\*CALIF COOP CREAMERY 683-4303+5  
     \*PERRY R C TRUCKING 683-2101 3  
     A RUBIDA DENNIS 683-2033  
     B DECKER LEON 683-2913  
 1890 DELGADILLO IVAN M 683-2955 4  
 1925 SIMMONS PAM 683-4391 4  
     B VIGIL LUIS 683-2102+5  
 1955A BUCKLAND K D 683-2186  
     B PARADIS ROBERT E 683-2720  
 1970 MURRAY N 683-2093 3  
 1985 CHEADLE HAROLD 683-2260  
 2005 VALENTINE ROBT JR 683-2703 3  
 2007 GREENE RICHARD A 683-2143  
 2010 BERG JOHN RAYMOND 683-2777  
     A HERNANDEZ RALPH CC 683-2126 2

## CHURCH AVE 1975

..CHURCH AV	95046 CONT..
2013 EMERSON DARRELL	683-2764 2
2015 BLEAN WM C	683-2787+5
2035 BURDG CHARLES E	683-2863+5
2120 XXXX	00
2135 OLEN ROLAND	683-4593+5
2225 SCHNEIDER L M MRS	683-2698
2420 GONZALES EDW T	683-2253+5
2440 DAUGHERTY ROBT	683-2080 4
2500 LONGINETTI RAY	683-2818 2
A COTA JOHN	683-2862
C ELIN KENT	683-4533+5
C LOPEZ HENRY	683-4533+5
2505 BUCHNER WM A	683-2177
2595 SPALDING D R	683-2166
NO # MCLELLAN BARBARA	683-2953 3
NO # ROSE ADELINE M MRS	683-2118
* 2 BUS 55 RES	16 NEW

**Reif Leona M Trustee**

Not Reported

San Martin, CA 95046

Inquiry Number: 4539551.370

February 18, 2016

## The EDR Aerial Photo Decade Package



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

# EDR Aerial Photo Decade Package

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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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**Date EDR Searched Historical Sources:**

Aerial Photography February 18, 2016

**Target Property:**

Not Reported

San Martin, CA 95046

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	USGS
1940	Aerial Photograph. Scale: 1"=500'	Flight Year: 1940	USGS
1950	Aerial Photograph. Scale: 1"=500'	Flight Year: 1950	USGS
1956	Aerial Photograph. Scale: 1"=500'	Flight Year: 1956	USGS
1968	Aerial Photograph. Scale: 1"=500'	Flight Year: 1968	USGS
1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974	USGS
1982	Aerial Photograph. Scale: 1"=500'	Flight Year: 1982	USGS
1993	Aerial Photograph. Scale: 1"=500'	Flight Year: 1993 Best Copy Available from original source	USGS
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	USGS/DOQQ
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	USDA/NAIP
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	USDA/NAIP
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	USDA/NAIP
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	USDA/NAIP
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	USDA/NAIP



**INQUIRY #:** 4539551.370

**YEAR:** 1939

| = 500'





INQUIRY #: 4539551.370

YEAR: 1940

| = 500'





**INQUIRY #:** 4539551.370

**YEAR:** 1950

| = 500'





**INQUIRY #:** 4539551.370

**YEAR:** 1956

| = 500'





INQUIRY #: 4539551.370

YEAR: 1968

| = 500'





INQUIRY #: 4539551.370

YEAR: 1974

| = 500'





INQUIRY #: 4539551.370

YEAR: 1982

| = 500'





INQUIRY #: 4539551.370

YEAR: 1993

| = 500'





INQUIRY #: 4539551.370

YEAR: 1998

| = 500'





**INQUIRY #:** 4539551.370

**YEAR:** 2005

| = 500'





INQUIRY #: 4539551.370

YEAR: 2006

| = 500'





INQUIRY #: 4539551.370

YEAR: 2009

| = 500'





INQUIRY #: 4539551.370

YEAR: 2010

| = 500'





INQUIRY #: 4539551.370

YEAR: 2012

| = 500'



**Reif Leona M Trustee**

Not Reported

San Martin, CA 95046

Inquiry Number: 4539551.360

February 16, 2016

## Certified Sanborn® Map Report



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

## Certified Sanborn® Map Report

2/16/16

**Site Name:**

Reif Leona M Trustee  
Not Reported  
San Martin, CA 95046

**Client Name:**

Nichols Consulting Eng.,Chtd.  
8795 Folsom Boulevard  
Sacramento, CA 95826



EDR Inquiry # 4539551.360

Contact: Brett Bardsley

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Nichols Consulting Eng.,Chtd. 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:

**Site Name:** Reif Leona M Trustee  
**Address:** Not Reported  
**City, State, Zip:** San Martin, CA 95046  
**Cross Street:**  
**P.O. #** 849.01.55  
**Project:** Llagas Creek Phase I ESAs  
**Certification #** 470D-4764-90C3



Sanborn® Library search results  
Certification # 470D-4764-90C3

### 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.

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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Reif Leona M Trustee

Not Reported

San Martin, CA 95046

Inquiry Number: 4539551.361

February 16, 2016

## EDR Historical Topo Map Report

with QuadMatch™



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Shelton, CT 06484  
Toll Free: 800.352.0050  
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# EDR Historical Topo Map Report

02/16/16

**Site Name:**

Reif Leona M Trustee

Not Reported

San Martin, CA 95046

EDR Inquiry # 4539551.361

**Client Name:**

Nichols Consulting Eng.,Chtd.

8795 Folsom Boulevard

Sacramento, CA 95826

Contact: Brett Bardsley



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Nichols Consulting Eng.,Chtd. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>Site Name:</b>	Reif Leona M Trustee	<b>Latitude:</b>	37.075128 37° 4' 30" North
<b>Address:</b>	Not Reported	<b>Longitude:</b>	-121.587347 -121° 35' 14" West
<b>City,State,Zip:</b>	San Martin, CA 95046	<b>UTM Zone:</b>	Zone 10 North
<b>P.O.#</b>	849.01.55	<b>UTM X Meters:</b>	625572.05
<b>Project:</b>	Llagas Creek Phase I ESAs	<b>UTM Y Meters:</b>	4104139.97
		<b>Elevation:</b>	263.00' above sea level

**Maps Provided:**

2012  
1993  
1981  
1973  
1968  
1955  
1939  
1917

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## Topo Sheet Thumbnails

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2012 Source Sheets



Gilroy  
2012  
7.5-minute, 24000

### 1993 Source Sheets



Gilroy  
1993  
7.5-minute, 24000  
Photo Revised 1993  
Aerial Photo Revised 1987

### 1981 Source Sheets



Gilroy  
1981  
7.5-minute, 24000  
Photo Revised 1981  
Aerial Photo Revised 1978

### 1973 Source Sheets



Gilroy  
1973  
7.5-minute, 24000  
Photo Revised 1973  
Aerial Photo Revised 1973

## **Topo Sheet Thumbnails**

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1968 Source Sheets**



Gilroy  
1968  
7.5-minute, 24000  
Photo Revised 1968  
Aerial Photo Revised 1968

### **1955 Source Sheets**



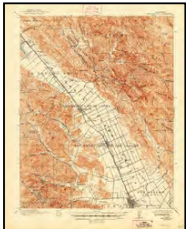
Gilroy  
1955  
7.5-minute, 24000  
Aerial Photo Revised 1953

### **1939 Source Sheets**

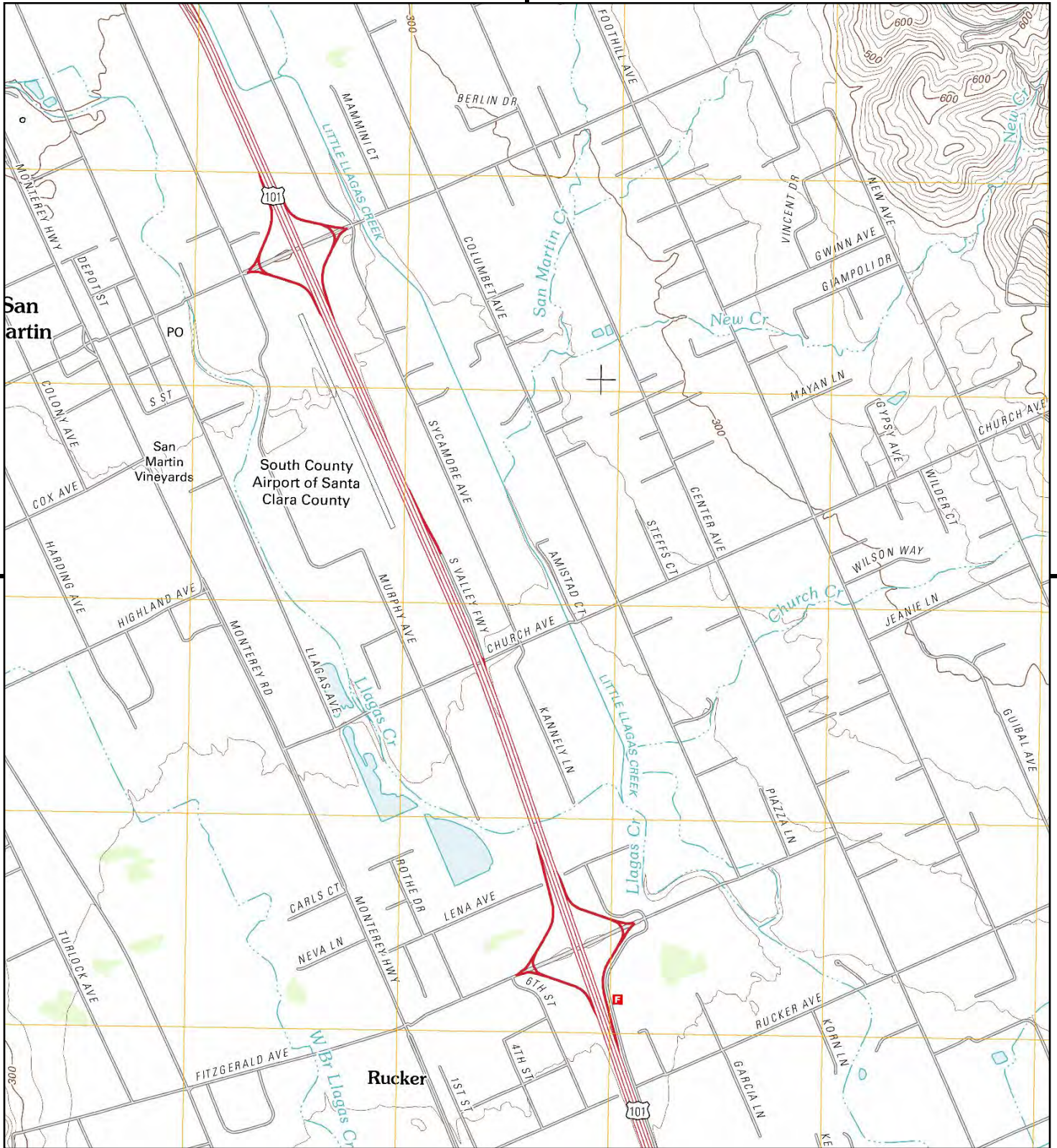


Morgan Hill  
1939  
15-minute, 62500  
Aerial Photo Revised 1939  
Edited 1939

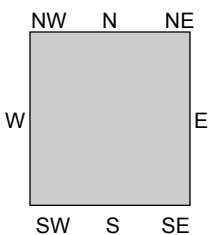
### **1917 Source Sheets**



Morgan Hill  
1917  
15-minute, 62500

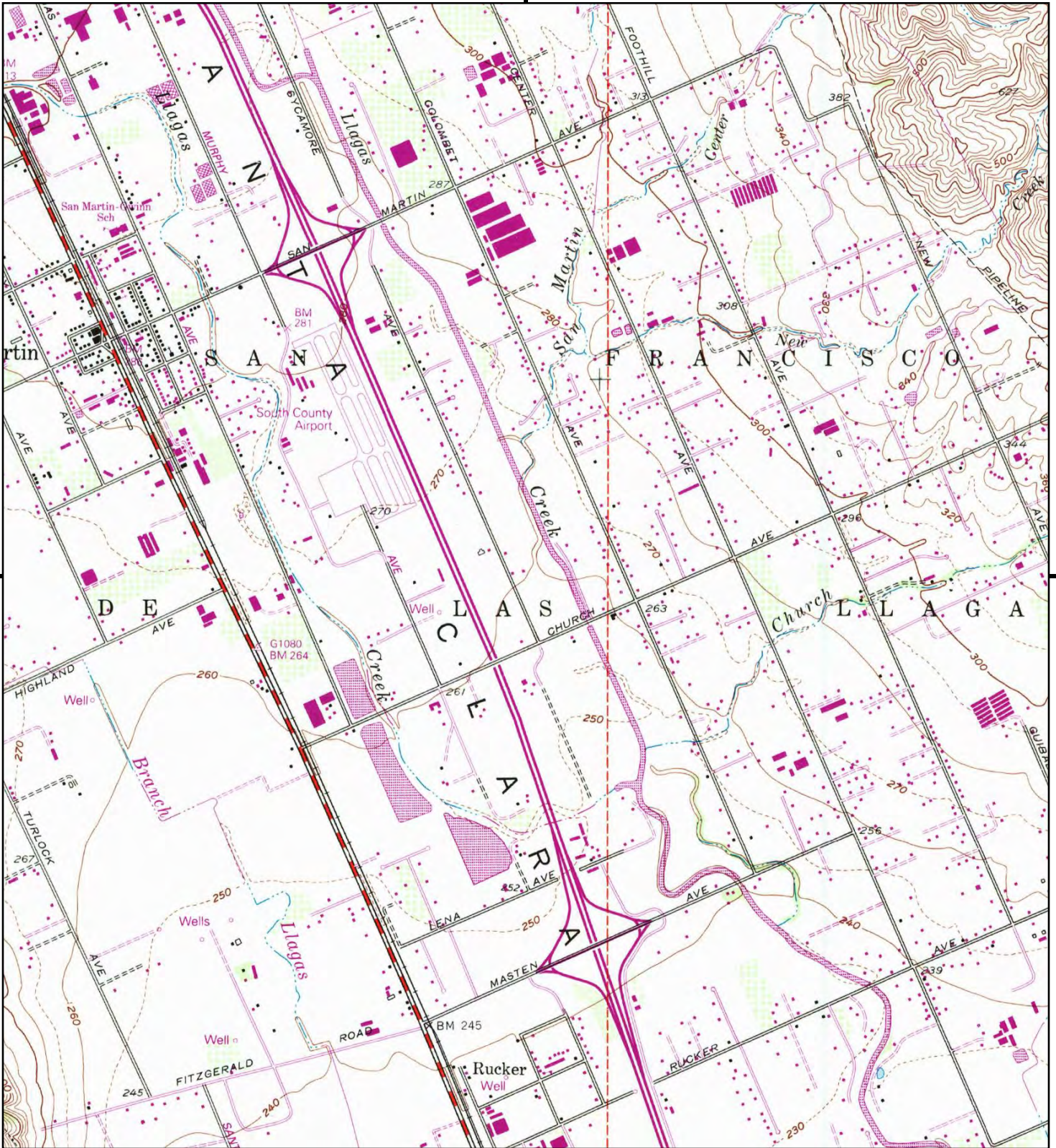


This report includes information from the following map sheet(s).

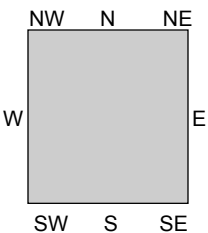
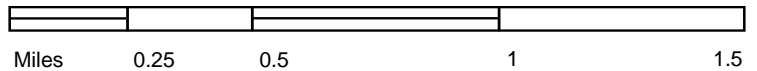


TP, Gilroy, 2012, 7.5-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng.,Chtd.

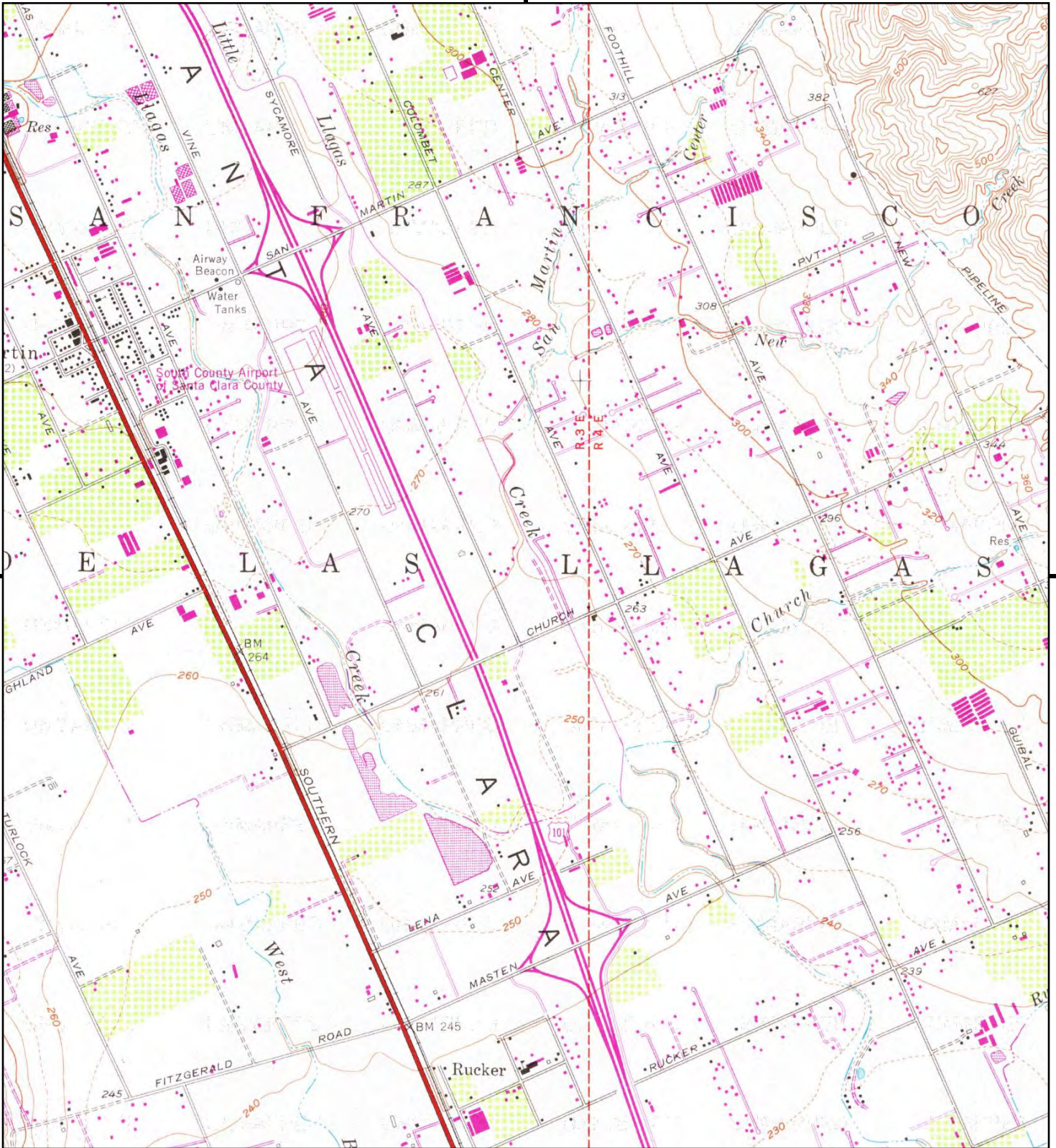


This report includes information from the following map sheet(s).

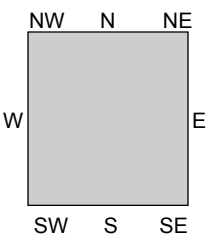
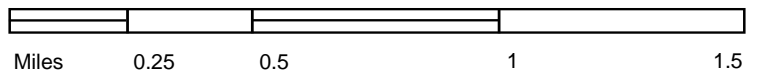


TP, Gilroy, 1993, 7.5-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng.,Chtd.

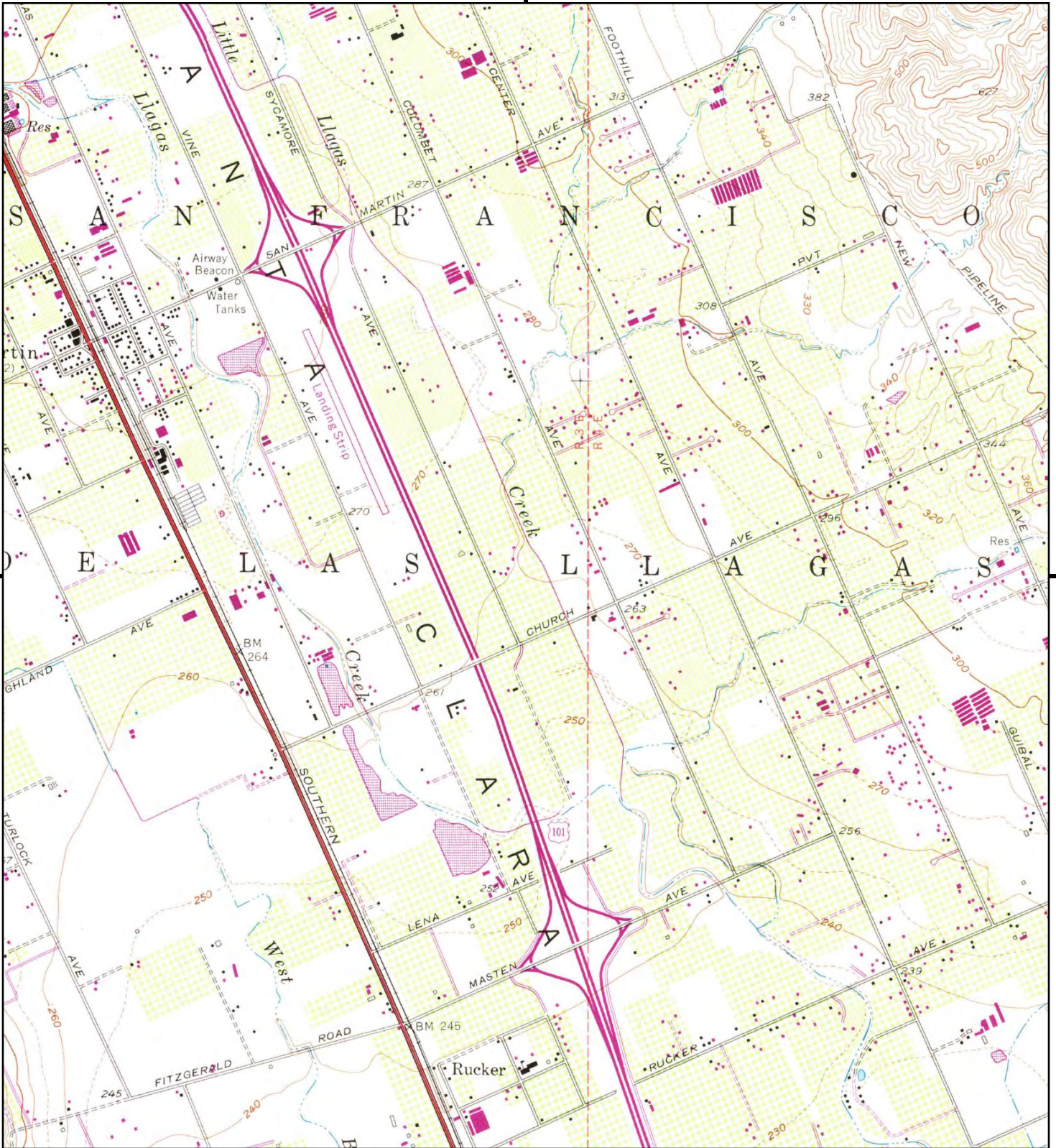


This report includes information from the following map sheet(s).

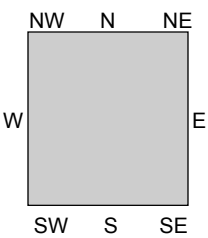


TP, Gilroy, 1981, 7.5-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng.,Chtd.

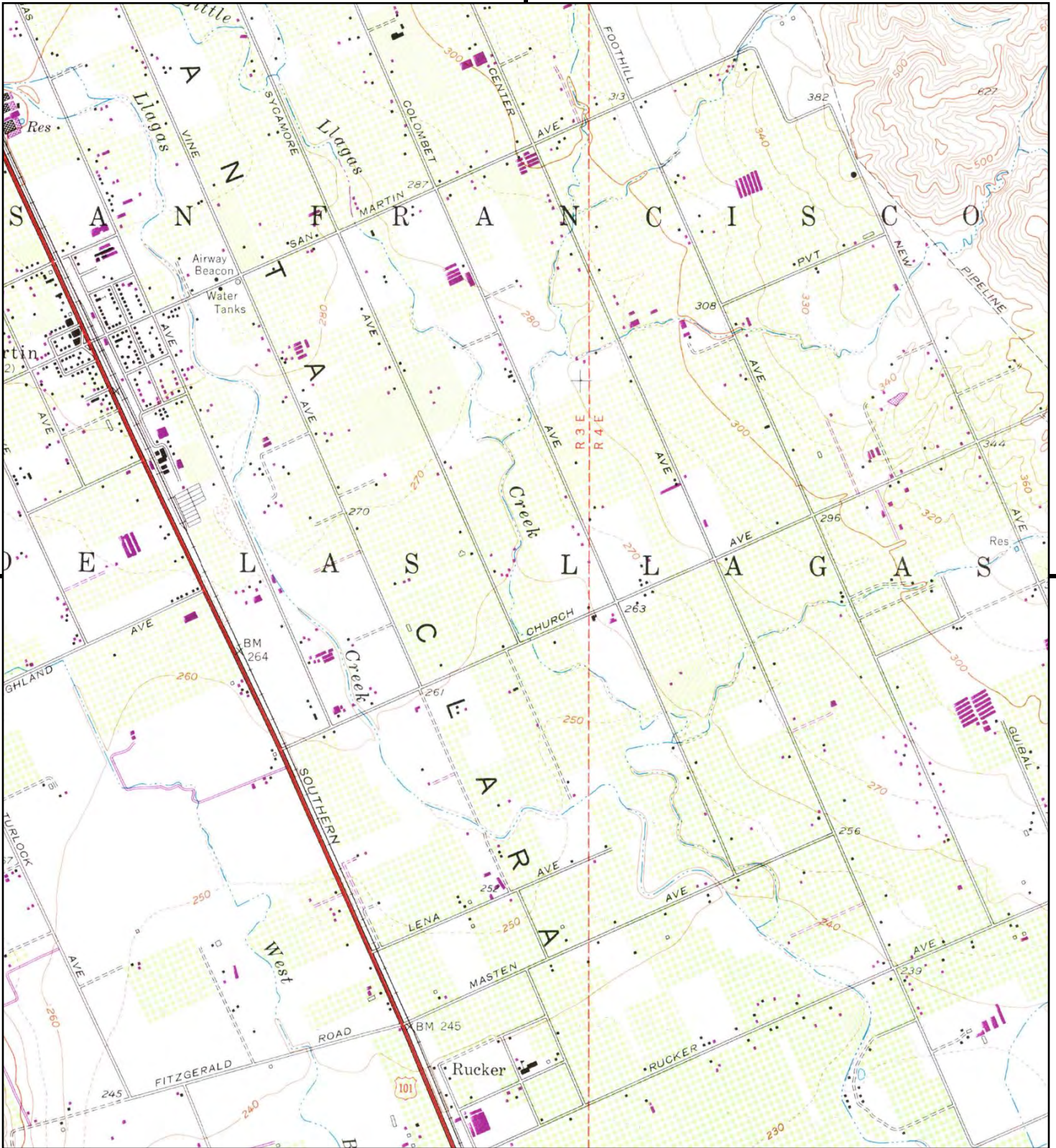


This report includes information from the following map sheet(s).

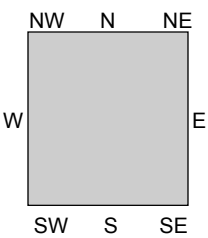


TP, Gilroy, 1973, 7.5-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng.,Chtd.



This report includes information from the following map sheet(s).

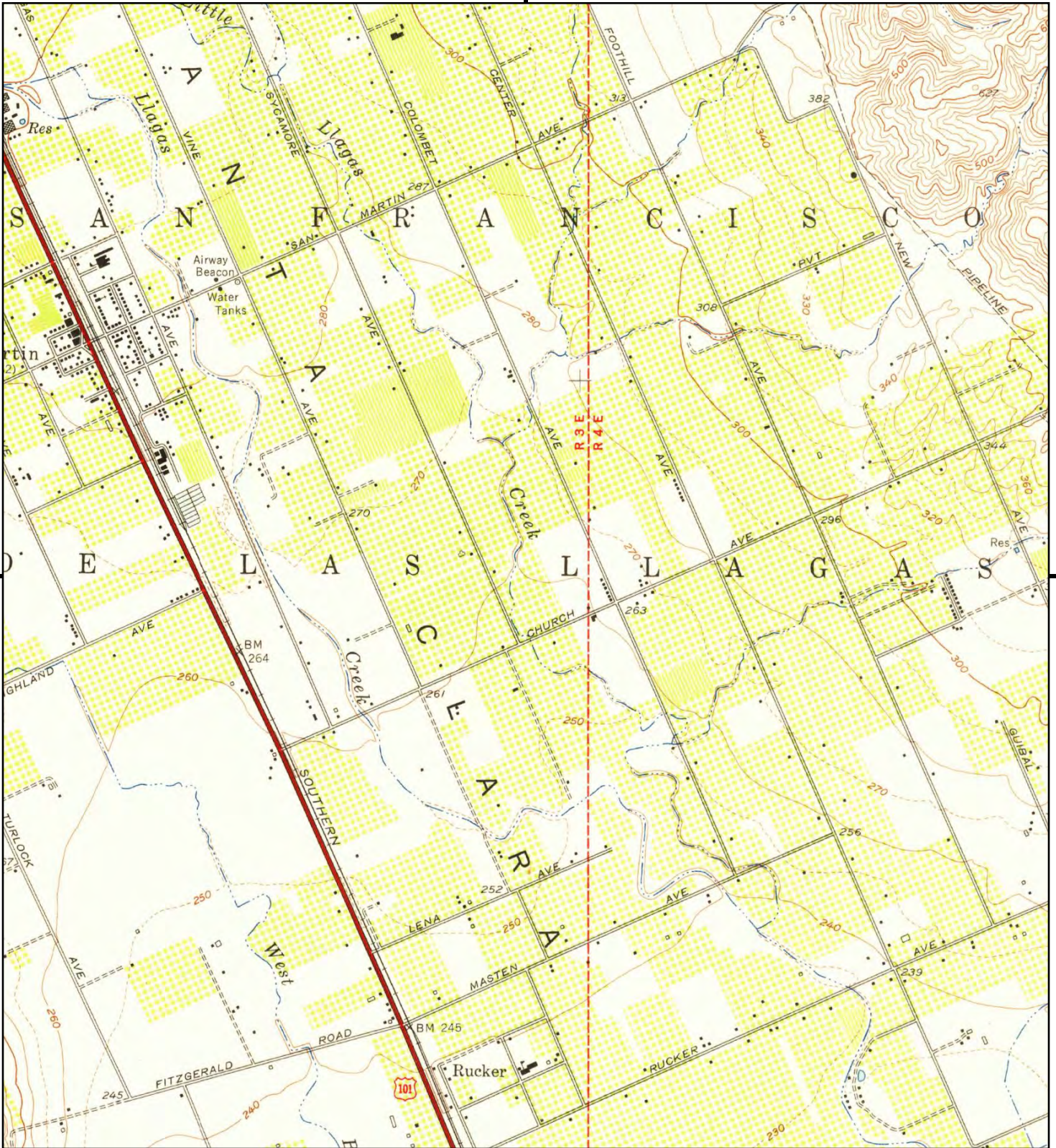


TP, Gilroy, 1968, 7.5-minute

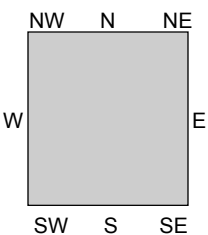
SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng., Chtd.

# Historical Topo Map

1955

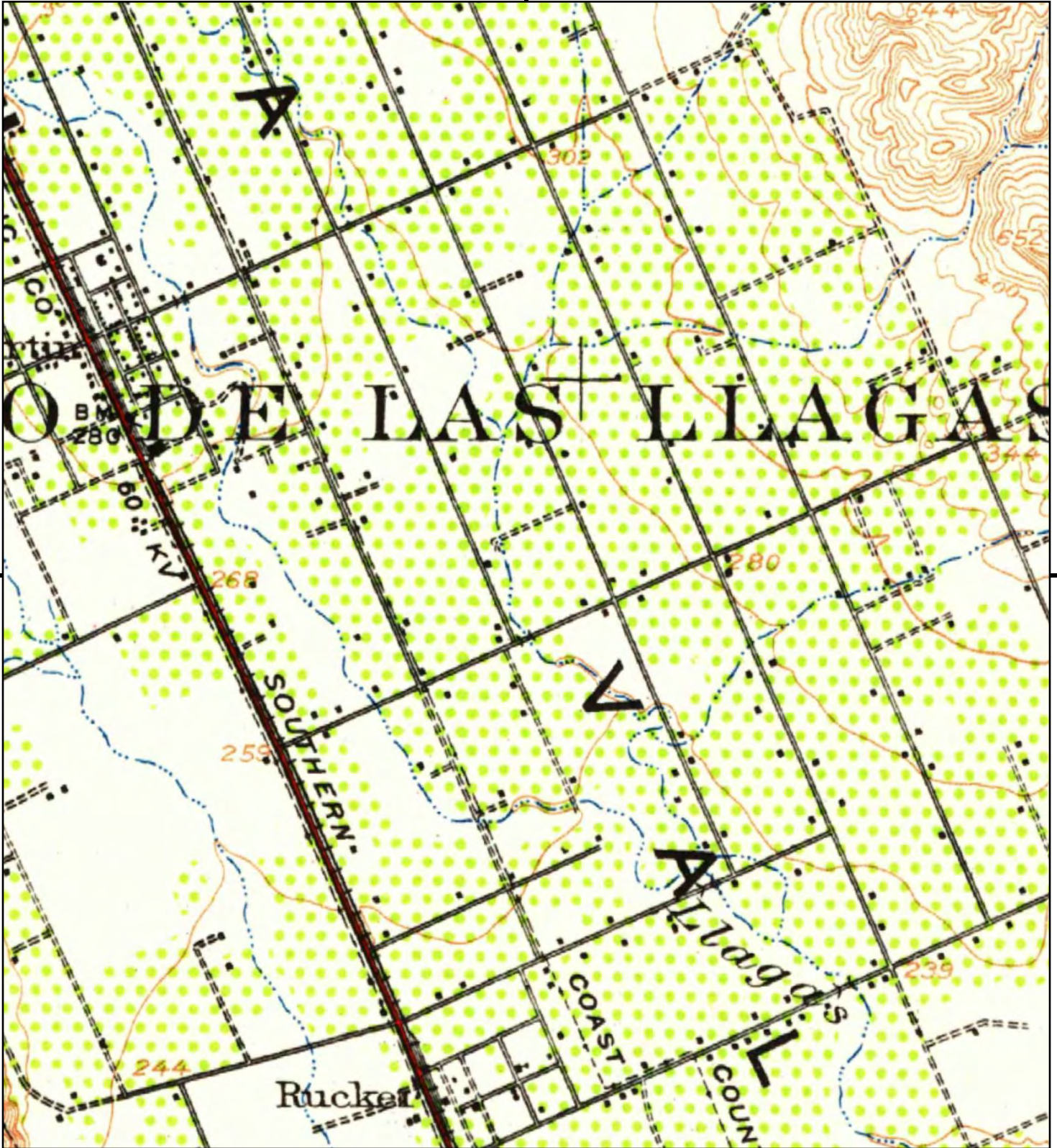


This report includes information from the following map sheet(s).

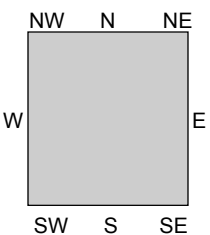


TP, Gilroy, 1955, 7.5-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng.,Chtd.



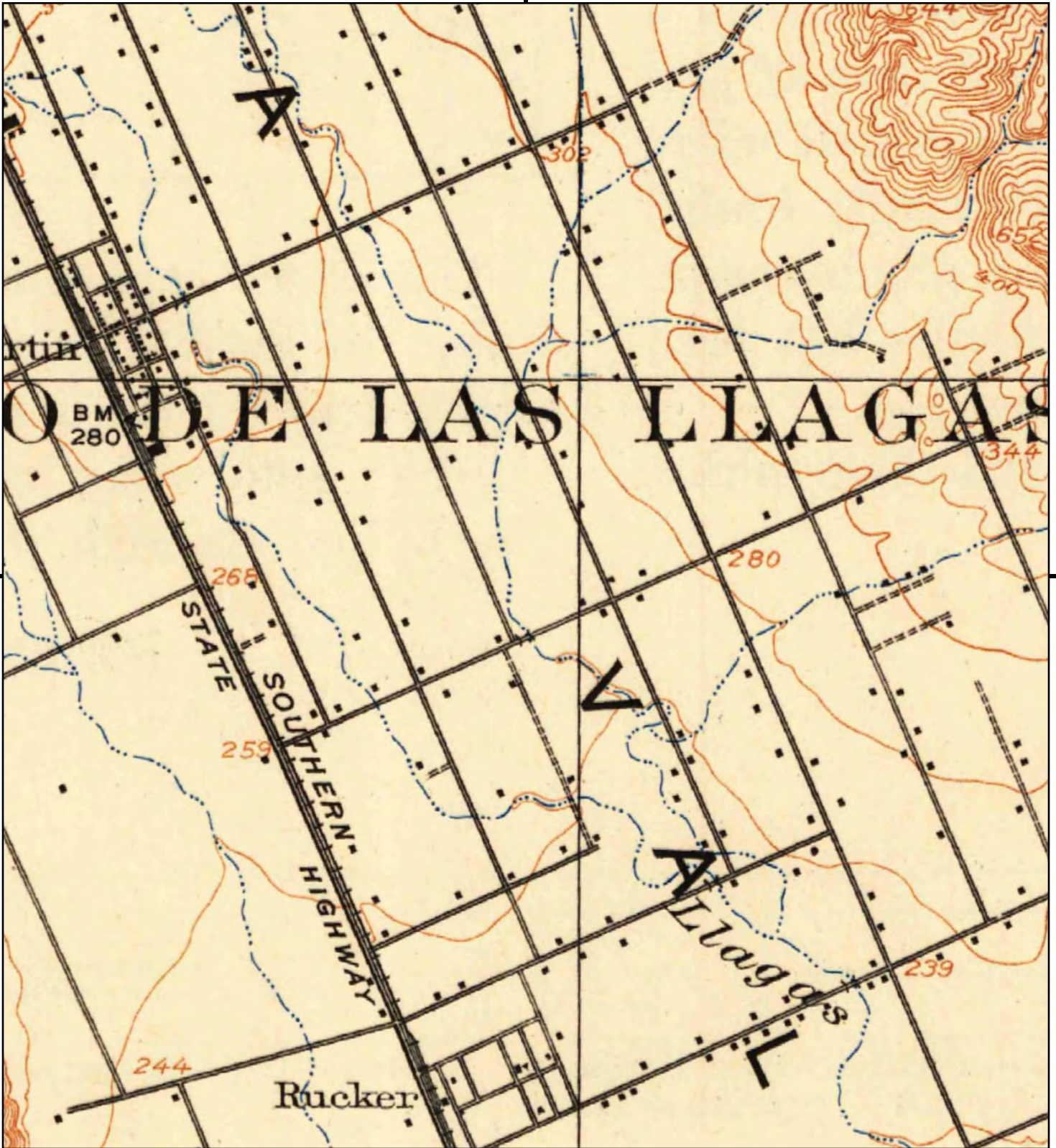
This report includes information from the following map sheet(s).



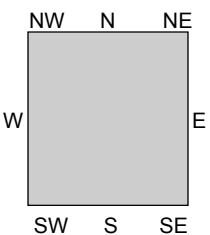
TP, Morgan Hill, 1939, 15-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng., Chtd.





This report includes information from the following map sheet(s).



TP, Morgan Hill, 1917, 15-minute

SITE NAME: Reif Leona M Trustee  
 ADDRESS: Not Reported  
 San Martin, CA 95046  
 CLIENT: Nichols Consulting Eng., Chtd.



**Reif Leona M Trustee**

Not Reported  
San Martin, CA 95046

Inquiry Number: 4539551.365  
February 16, 2016

# EDR Building Permit Report

Target Property and Adjoining Properties

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### SECTION

About This Report

Executive Summary

Findings

Glossary

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EDR BUILDING PERMIT REPORT

### About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

### ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquiries (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

### Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



## EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Nichols Consulting Eng., Chtd. on Feb 16, 2016.

### TARGET PROPERTY

Not Reported  
San Martin, CA 95046

### SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

### RESEARCH SUMMARY

Building permits identified: **YES**

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

#### Santa Clara County Unincorporated Area

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>
2015	Santa Clara County, Development Services Office		
2014	Santa Clara County, Development Services Office		
2013	Santa Clara County, Development Services Office		
2012	Santa Clara County, Development Services Office		
2011	Santa Clara County, Development Services Office		
2010	Santa Clara County, Development Services Office		
2009	Santa Clara County, Development Services Office		
2008	Santa Clara County, Development Services Office		
2007	Santa Clara County, Development Services Office		
2006	Santa Clara County, Development Services Office		
2005	Santa Clara County, Development Services Office		
2004	Santa Clara County, Development Services Office		X
2003	Santa Clara County, Development Services Office		X
2002	Santa Clara County, Development Services Office		
2001	Santa Clara County, Development Services Office		
2000	Santa Clara County, Development Services Office		
1999	Santa Clara County, Development Services Office		X
1998	Santa Clara County, Development Services Office		
1997	Santa Clara County, Development Services Office		
1996	Santa Clara County, Development Services Office		
1995	Santa Clara County, Development Services Office		
1994	Santa Clara County, Development Services Office		
1993	Santa Clara County, Development Services Office		
1992	Santa Clara County, Development Services Office		X
1991	Santa Clara County, Development Services Office		
1990	Santa Clara County, Development Services Office		

**BUILDING DEPARTMENT RECORDS SEARCHED**

Name: Santa Clara County Unincorporated Area  
Years: 1990-2015  
Source: Santa Clara County, Development Services Office, SAN MARTIN, CA  
Phone: (408) 299-5700

Name: Redding  
Years: 1987-2015  
Source: City of Redding, Development Services, Building Division, RIALTO, CA  
Phone: 530-225-4014

## TARGET PROPERTY FINDINGS

### TARGET PROPERTY DETAIL

**Not Reported**  
**San Martin, CA 95046**

No Permits Found

## ADJOINING PROPERTY FINDINGS

### ADJOINING PROPERTY DETAIL

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

#### AMISTAD LN

##### **985 AMISTAD LN**

Date: **1/14/1992**  
Permit Type:  
Description: **Barn, Elec.**

Permit Description:  
Work Class: Build  
Proposed Use:  
Permit Number: 1992-20115-00  
Status: Final  
Valuation: \$17,424.00  
Contractor Company:  
Contractor Name:

Date: **1/14/1992**  
Permit Type:  
Description: **Build Shed, Elec.**

Permit Description:  
Work Class: Build  
Proposed Use:  
Permit Number: 1992-20116-00  
Status: Final  
Valuation: \$11,040.00  
Contractor Company:  
Contractor Name:

## ADJOINING PROPERTY FINDINGS

Date: **1/14/1992**  
Permit Type:  
Description: **Shed, Elec.**

Permit Description:  
Work Class: Build  
Proposed Use:  
Permit Number: 1992-20117-00  
Status: Final  
Valuation: \$4,752.00  
Contractor Company:  
Contractor Name:

### 995 AMISTAD LN

Date: **7/27/2004**  
Permit Type: **R**  
Description: **Rev to BP#26163, change foundation to pier & grade beam; change garage door opening**

Permit Description: **REVISION**  
Work Class:  
Proposed Use:  
Permit Number: 2003-26163-01 R  
Status: Final  
Valuation: \$0.00  
Contractor Company:  
Contractor Name: Owner/builder

## ADJOINING PROPERTY FINDINGS

Date: **8/13/2003**  
Permit Type: **BEMP**  
Description: **Addition/remodel: 185 sf addition, entry, lvg rm, bath; 90 sf garage addition; 182 sf rear patio cover; 54 sf front porch addition; partial kitchen remodel**

Permit Description: **BUILDING, ELECTRICAL, MECHANICAL, PLUMBING**  
Work Class: Addition, Remodel  
Proposed Use:  
Permit Number: 2003-26163-00 BEMP  
Status: Final  
Valuation: \$36,165.00  
Contractor Company:  
Contractor Name: Owner/builder

Date: **11/22/1999**  
Permit Type:  
Description: **Mech., Elec., Plumb.**

Permit Description:  
Work Class:  
Proposed Use:  
Permit Number: 1999-96546-00  
Status: Final  
Valuation: \$0.00  
Contractor Company:  
Contractor Name:

## GLOSSARY

### General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeyman:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

## GLOSSARY

### Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

### Sample Building Permit Data

Date: Nov 09, 2000  
Permit Type: Bldg -  
New Permit Number: 101000000405  
Status: Valuation: \$1,000,000.00  
Contractor Company: OWNER-BUILDER  
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

**Reif Leona M Trustee**

Not Reported  
San Martin, CA 95046

Inquiry Number: 4539551.364  
February 25, 2016

## EDR Environmental Lien and AUL Search

## EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EDR Environmental Lien and AUL Search

### TARGET PROPERTY INFORMATION

#### ADDRESS

Not Reported  
Reif Leona M Trustee  
San Martin, CA 95046

#### RESEARCH SOURCE

##### **Source 1:**

Santa Clara Recorder  
Santa Clara, CA

### PROPERTY INFORMATION

#### **Deed 1:**

Type of Deed: deed  
Title is vested in: Leona M Reif Trustee  
Title received from: Leona M Reif  
Deed Dated: 9/23/1997  
Deed Recorded: 4/20/1998  
Book: NA  
Page: na  
Volume: na  
Instrument: na  
Docket: NA  
Land Record Comments:  
Miscellaneous Comments:

**Legal Description:** See Exhibit

**Legal Current Owner:** Leona M Reif Trustee

**Parcel # / Property Identifier:** 825-12-017

**Comments:** See Exhibit

#### **Deed 2:**

Type of Deed: deed  
Title is vested in: Leona M Reif Trustee  
Title received from: Leona M & Herman Reif  
Deed Dated: 4/24/1992  
Deed Recorded: 4/29/1992  
Book: NA  
Page: na  
Volume: na  
Instrument: na  
Docket: NA  
Land Record Comments:

## EDR Environmental Lien and AUL Search

Miscellaneous Comments:

**Legal Description:** See Exhibit  
**Legal Current Owner:** Leona M Reif Trustee  
**Parcel # / Property Identifier:** 825-12-0019  
**Comments:** See Exhibit

### ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

## **Deed Exhibit 1**

Recording Requested by:  
Leona M. Reif

When recorded, return to:  
Leona M. Reif  
12280 Sycamore Avenue  
San Martin, CA 95046

Mail Tax Statements to:  
Same as above

DOCUMENT: 14148248



Titles: 1 / Pages: 2

Fees 10 00  
Taxes  
Copies  
AMT PAID 10 00

BRENDA DAVIS  
SANTA CLARA COUNTY RECORDER  
Recorded at the request of  
Grantor

RDE # 001  
4/20/1998  
12:00 PM

## A.P.# 825-12-017 Trust Transfer Deed

The undersigned declare:

Documentary transfer tax is NONE. No consideration given, *this is not a sale*. Change in formal title only. See Note #1 below.

For No Consideration, and in order to change formal title, Leona M. Reif, does hereby sever my interests in order to grant all my right, title, and interest to Leona M. Reif, as Trustee of the Reif Family Trust dated September 2, 1997, all right, title and interest in and to the following real property, commonly described,

Street Address: Lot 145-A

County of: Santa Clara

State of: CA

, and more particularly described as:

See Legal Description Attached As Exhibit "A".

Note #1: This conveyance transfers the undersigned's interest into their Revocable Living Trust and is exempt pursuant to Rev. and Tax Code Section 11911.

Dated: 9/23/97

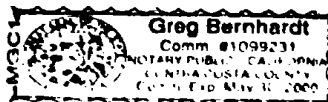
Leona M. Reif  
Leona M. Reif

State Of California )  
) ss

County Of Santa Clara )

On 9/23/97, before me, the undersigned, personally appeared Leona M. Reif, 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.



## **EXHIBIT "A"**

2. Real property at Church Avenue, San Martin, County of Santa Clara, CA 95047 which is more particularly described as follows:

Subdivision No. 1 of Lot No. 145-A of the San Martin Ranch, as laid down and delineated on San Martin Ranch Map No. 3, on file in the office of the County Recorder of the County of Santa Clara, State of California, in Map Book "G", Page 69, of said records of said county.

APN 9838-12-017

## **Deed Exhibit 2**

11338790  
FILED  
AT REQUEST OF

M166 PAGE 0286  
( ENCL. )

MORGAN LAW OFFICES  
ATTORNEYS AT LAW  
1501 The Alameda  
San Jose, California 95126  
(408) 971-3233  
FAX (408) 297-0930

ATTORNEY  
APR 29 4 30 PM '92

SANTA BARBARA COUNTY  
CLERK OF COURT  
RECEIVED

APR 29 3 10 PM '92

FILED	8
FILED	7
FILED	5
FILED	
FILED	
FILED	
FILED	
FILED	

Attorney for Petitioner

SUPERIOR COURT OF THE STATE OF CALIFORNIA  
IN AND FOR THE COUNTY OF SANTA BARBARA

In Re The Estate of: ) NO. 124407  
HERMAN M. REIF, )  
Deceased. ) ORDER SETTLING FINAL  
ACCOUNT AND REPORT OF  
EXECUTOR AND PETITION FOR  
SETTLEMENT, FOR ALLOWANCE  
OF ATTORNEYS FEES FOR  
ORDINARY SERVICES, AND FOR  
FINAL DISTRIBUTION

LEONA M. REIF, executor of the estate of the deceased, has filed her Final Account and Report of Executor and Petition for Its Settlement, for Allowance of Attorney's Fees for Ordinary Services and for Final Distribution. The report and petition were heard on April 24, 1992.

The Court finds:

Notice of hearing of the petition has been regularly given as prescribed by law.

All allegations of the petition are true.

HERMAN M. REIF died testate on February 8, 1990, in

Santa Clara County, California, and was at the date of his death a resident of Santa Clara County, California.

Notice of death was published, the time for filing or presenting claims has expired, and the estate is now in a condition to be closed.

All claims filed or presented against the estate have been paid.

All debts of decedent and of the estate and all expenses of administration have been paid, except closing expenses and fees of Robert H. Morgan, her attorney.

No California inheritance tax is due because decedent died after California inheritance tax laws were repealed by initiative passed June 8, 1982.

A federal estate tax return was required and all taxes due have been paid.

All inheritance taxes and personal property taxes payable by this estate have been paid.

All California and federal income taxes due and payable by the estate have been paid.

All assets of the estate are partly the separate property of the decedent and partly the community property of the decedent and LEONA REIF, the surviving spouse.

Distribution should be ordered as specified below.

1. 100% to LEONA M. REIF by distributing to "Leona Reif, as Trustee of the Reif Living Trust dated July 25, 1988".

1           2. All property to be transferred is listed in  
2 Schedule "F" which is attached hereto and incorporated herein  
3 by reference.

4           3. All other property of decedent or of the estate,  
5 whether described herein or not, should be distributed as  
6 follows:

7           a. To LEONA M. REIF, as trustee of the Reif Living  
8 Trust dated July 25, 1988.

9           IT IS ORDERED, ADJUDGED, AND DECREED that:

10          1. The administration of the estate is brought to  
11 a close.

12          2. After deducting credits to which she is  
13 entitled, the executor has in her possession property  
14 belonging to the estate of the appraised value of \$725,130.25,  
15 of which \$4,386.47 is in cash.

16          3. The petition and report of the executor is  
17 approved.

18          4. All acts of the executor relating to the matters  
19 in the petition and report are approved.

20          5. The executor shall pay to Robert H. Morgan, her  
21 attorney, the sum of \$15,652.61 as his statutory fee for  
22 services in administration of this estate.

23          6. Property in the hands of the executor shall be  
24 distributed as follows and more specifically as listed in  
25 Exhibit "F" attached hereto:

26          a. To LEONA M. REIF, as trustee of the Reif Living  
27  
28

1 Trust, dated July 25, 1988.

2 7. Any other property of the estate not now known  
3 or discovered that was owned by decedent at the time of her  
4 death or which her estate has acquired or may hereafter  
5 acquire any interest is distributed as follows:

6 a. To LEONA M. REIF, as trustee of the Reif Living  
7 Trust dated July 25, 1988.

8  
9 DATED: APR 24 1992

DONALD L. CLARK  
JUDGE OF THE SUPERIOR COURT

MORGAN LAW OFFICES

ATTORNEYS AT LAW

1501 The Alameda

San Jose, California 95126

14081 971 3233 FAX 14081 797 0930

Estate of HERMAN M. REIF  
Santa Clara Superior Court Case #124407

SCHEDULE "F"

PROPERTY ON HAND

To LEONA M. REIF, as trustee of the Reif Living Trust,  
dated July 25, 1988, trust "A":

1. Wells Fargo Account #6481-024784
2. Wells Fargo Account #6481-020584
3. Great Western Account #311000044-9
4. 2900 Shares of PG&E Stock
5. 646.5288 Shares of Pacificorp Stock
6. 200 Shares of Port General Electric
7. 2502.565 Shares of Affil Fund
8. 400 Shares of Puget Sound
9. 200 Shares of So. Cal. Ed
10. \$10,000.00 Pacific Power and Light Bond w/ accrued interest

To LEONA M. REIF, as trustee of the Reif Living Trust,  
dated July 25, 1988, trust "B":

1. An undivided fifty percent (50%) interest in real property located at 12200 Sycamore Avenue, San Martin, County of Santa Clara, CA 95046-9529 which is more particularly described as follows:

Subdivision 2 of Lot 145-A of the San Martin Ranch as laid down and delineated on San Martin Ranch Map No. 3, which Map is recorded in Book "Q" of Maps, at page 69 in the Office of the Recorder of said County and containing 13.08 acres a little more or less, all located in the County of Santa Clara, State of California.

APN #825-12-018

2. Real property at Church Avenue, San Martin, County of Santa Clara, CA 95047 which is more particularly described as follows:

Subdivision No. 1 of Lot No. 145-A of the San Martin Ranch, as laid down and delineated on San Martin Ranch Map No. 3, on file in the office of the County Recorder of the County of Santa Clara, State of California, in Map Book "G", Page 69, of said records of said county.

APN #825-12-017

3. An undivided fifty percent (50%) community property interest in real property located at 12280 Sycamore Avenue, San Martin, County of Santa Clara, CA 95046-9529 which is

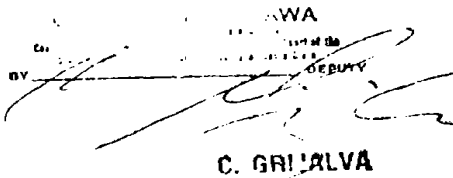
more particularly described as follows:

All that portion of Subdivision "B" of Lot 144, as shown upon that certain Map entitled, "San Martin Ranch Map No. 3, being C.H. Phillips Re-Subdivision of Lots 68 to 107 inclusive, and 132 to 168 inclusive of San Martin Ranch Map No. 2, as recorded in Book "G" of Maps, pages 38 and 39, Santa Clara County Records", and which said Map was filed for record in the office of the Recorder of the County of Santa Clara, State of California on June 8, 1893 in Book "G" of Maps, at page 69, and more particularly described as follows:

Beginning at a point in the centerline of Sycamore Avenue at the common corner for Lots 144B, 145A, 137D and 138B, as said Avenue and Lots are shown upon the Map mentioned above; thence North 66° 11' East along the Southeasterly line of said subdivision "B" of Lot 144, for a distance of 642.18 feet, more or less, to the Southwesterly corner of that certain parcel of land described in the Deed dated November 19, 1943 and recorded December 13, 1943 in Book 1182 of Official Records, page 30, from George Dowling, et ux, to Herman M. Reif, a single man, said point also being on the Easterly line of a Creek running through said property; thence in a Northerly direction along the Westerly line of the land conveyed to said Herman M. Reif, and along the Easterly bank of said creek, the following courses and distances, to wit: N. 15° 55' East, 73.26 feet; North 1° 10' West, 85.14 feet; and North 20° 56' West, 140.895 feet more or less, to a point on the Northwesternly line of the Southeasterly one-half of said Subdivision "B" of Lot 144; thence South 66° 11' West, 735.00 feet, more or less, to a point in the centerline of said Sycamore Avenue; thence South 23° 49' East along said centerline 264.00 feet, to the point of beginning;

APN #825-12-C19

The following is a true and correct copy of  
 the original of the above described document.

BY  AWA  
 DEPUTY

C. GRIJALVA



**Reif Leona M Trustee**

Not Reported  
San Martin, CA 95046

Inquiry Number: 4539551.363  
February 16, 2016

## The EDR Property Tax Map Report

## EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

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

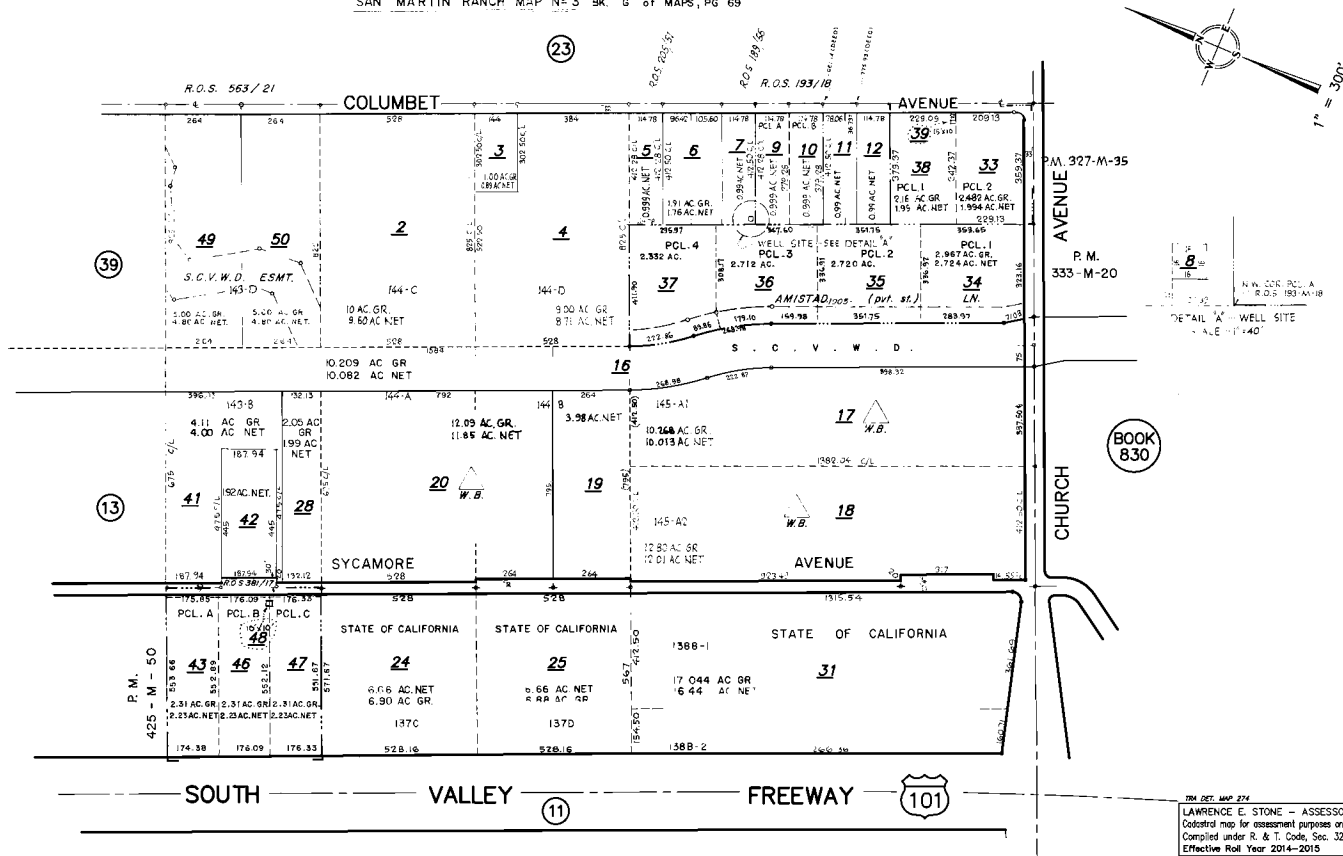
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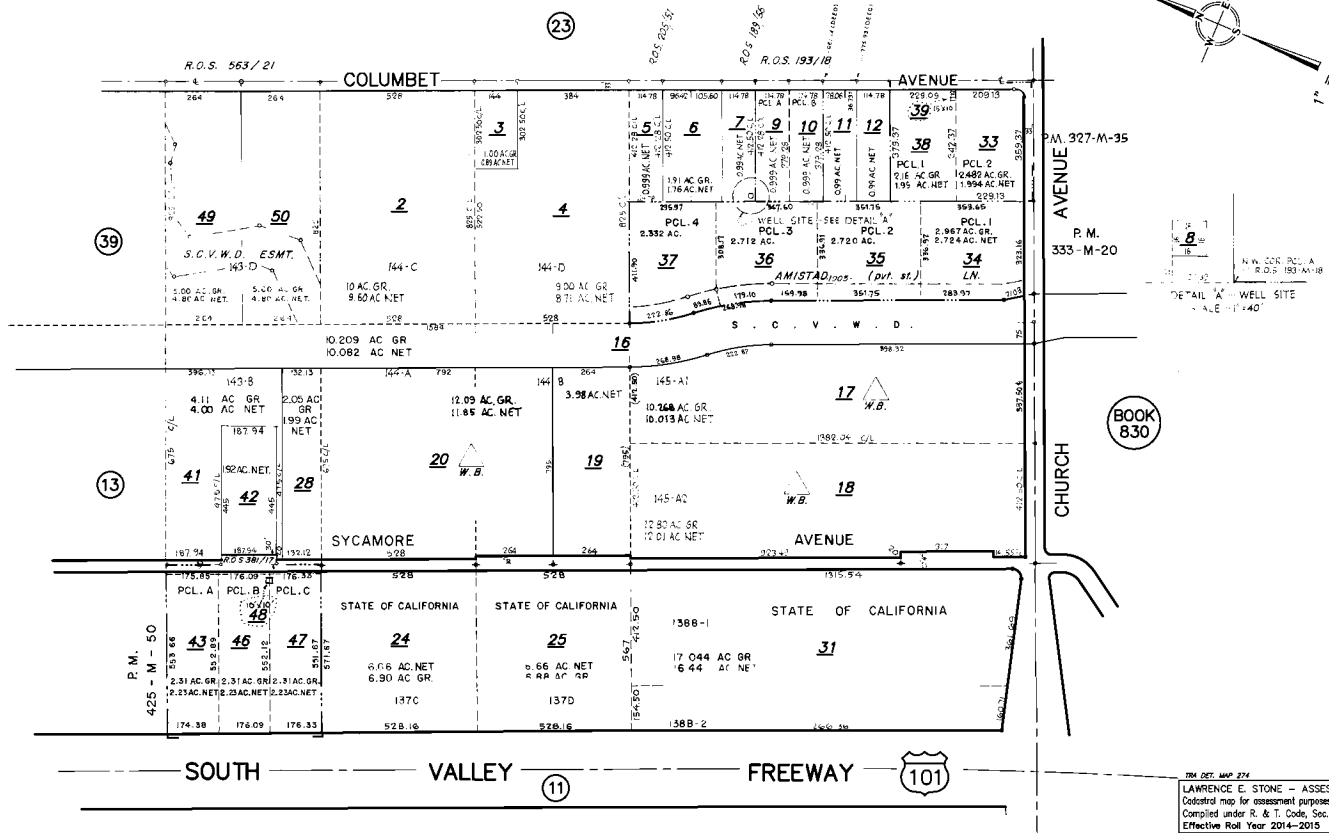
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SAN MARTIN RANCH MAP NO. 3 BK. "G" of MAPS, PG. 69

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825

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## **APPENDIX D**

### **QUALIFICATIONS**

## Madelyn Rios Project Scientist

Mrs. Rios is an experienced Wildlife Biologist and an integral part of the Watershed Science & Planning (WS&P) Group at NCE. She brings over 15 years of experience in wildlife biology and environmental science. Having worked in the government sector, academic arena, and private consulting, Mrs. Rios brings a unique blend of experience to clients and their projects.

Madelyn has spent a significant amount of time working successfully in the complex regulatory and dynamic research environment of the Lake Tahoe Basin and surrounding regions on a variety of projects. These include the USFS Lake Tahoe Basin Management Unit Urban Lots Study, a collaborative northern goshawk study, Angora Upland Fuels Project, and the Lake Tahoe Multi-Species Monitoring Project. Other experience includes entomology field studies in Hawaii, botanical assessments in Nepal, ungulate surveys in Switzerland, and migrating raptor surveys in the Nevada Pah Rah Range. Species Mrs. Rios has studied and reported on include the willow flycatcher, Wilson's warbler, MacGillivray's warbler, yellow warbler, dusky flycatcher, warbling vireo, northern goshawk, forest carnivores, small mammals, bats, and butterflies.

## Representative Projects

### Environmental Compliance

**Christmas Valley Phase 2 NEPA & CEQA | Staff Scientist**  
*El Dorado County Department of Transportation, California*

The Christmas Valley Phase 2 Erosion Control Project is part of the Tahoe Regional Planning Agency's Environmental Improvement Program. The goal of the erosion control project is to reduce the impacts of source erosion and stormwater runoff from County rights of way on surface water resources, including Lake Tahoe. NCE performed all tasks associated with the development of NEPA and CEQA documents for the project. Specific project responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with NEPA documentation.

**Sawmill 2 Bike Trail & Erosion Control Project | Staff Scientist**  
*El Dorado County Department of Transportation, California*

The Sawmill 2 Bike Path and Erosion Control Project is part of the Tahoe Regional Planning Agency's Environmental Improvement Program. The goal of the erosion control and water quality portion of the project is to reduce the impacts of source erosion and stormwater runoff from County rights of way on surface water resources, including Lake Tahoe. The goal of the bike path portion of the project is to provide a critical link in the Regional Bicycle Path Network. NCE performed all tasks associated with the development of NEPA and CEQA documents for the project. In addition, NCE performed all tasks associated with the preparation of a Clean Water Act (CWA) Section 404 permit application. Specific project responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with NEPA documentation.



### Education

Master's Degree, Education, 2010  
Sierra Nevada College  
B.A., Wildlife Conservation Biology, 2001  
University of California, Davis  
Botany Field School, 1999  
San Francisco State University Extension,  
Nepal

### Affiliations

American Association for the Advancement  
of Science

### Joined NCE

2007

### Total Years of Experience

15 years

**Rubicon Phase 5 Erosion Control Project | Staff Scientist**  
*El Dorado County Department of Transportation, California*

The Rubicon Phase 5 Project is part of the Tahoe Regional Planning Agency's Environmental Improvement Program. The goal of the erosion control and water quality portion of the project is to reduce the impacts of source erosion and stormwater runoff from County rights of way on surface water resources, including Lake Tahoe. NCE performed all tasks associated with the development of NEPA. In addition, NCE performed all tasks associated with the preparation of a Clean Water Act (CWA) Section 404 permit application. Specific project responsibilities included communicating with the County and coordinating the technical team. Other responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with NEPA documentation.

**I-80 Corridor Study Environmental Resource Investigation | Staff Scientist**  
*Nevada Department of Transportation, Nevada*

The Federal Highway Administration requested that the Nevada Department of Transportation perform a study to assess future transportation needs along sections of Interstate 80 (I-80) in western Nevada. As part of the study, NCE was contracted to perform a preliminary environmental resource investigation to identify and map any potential environmental resources of concern within the project area. The project area includes sections of I-80 from the California state line to West McCarran Boulevard and from East McCarran Boulevard to the Nevada Pacific Parkway. Specific project responsibilities included communicating with the client and stakeholders, performing detailed background research and analysis, writing technical reports, assisting with mapping, and presenting the results of the investigation to the client and project stakeholders.

**Water Quality Improvement and Stormwater Compliance**

**Fairview/Fairway Phase III, Water Quality Improvement Project | Project Scientist**  
*Washoe County Public Works, Nevada*

The Fairview/Fairway Phase III, Water Quality Improvement Project includes planning of a comprehensive erosion control and water quality improvement project within the Incline Village subdivision to reduce sources of erosion, reduce the amount of storm water generated within and discharged from the County right-of-way, and improve the quality of storm water discharged from the County right-of-way. Project elements include assessing existing conditions, developing water quality alternatives, performing field surveys and impact analysis for the development of a NEPA Categorical Exclusion Document, and integration of the project with the Lake Tahoe Total Maximum Daily Load and Tahoe Regional Planning Agency BMP Retrofit Program.

**Lake Village Phase II Water Quality Improvement Project | Staff Scientist**  
*Douglas County Community Development Department, Nevada*

This Environmental Improvement Program water quality project involved planning, permitting, and design of erosion control and water quality BMPs for a linear public facility in the Douglas County portion of the Lake Tahoe Basin. The project also required field surveys and impact analysis for the preparation of a NEPA categorical exclusion document. Permit applications were prepared and submitted to Douglas County, the US Forest Service, and the Tahoe Regional Planning Agency. As Staff Scientist, Mrs. Rios's responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with NEPA documentation.

**Crystal Bay Water Quality Improvement Project Phase I | Staff Scientist**  
*Washoe County Department of Public Works, Nevada*

The Crystal Bay Water Quality Improvement Project exists on a complex site on the North Shore of Lake Tahoe in Washoe County, NV. The project area is highly developed, has steep topography, and has numerous water quality issues. Due to the proximity of the project area to Lake Tahoe, which has been designated by the EPA as an Outstanding National Resource Water, the existing water quality issues in the area were considered especially critical. Project elements included assessing existing conditions, developing water quality alternatives, and designing site specific erosion control and water quality BMPs. Additional project elements included performing field surveys and impact analysis for the development of a NEPA Categorical Exclusion Document, development and submittal of permit applications, and the facilitation of a large and diverse group of agency stakeholders. Specific project responsibilities included performing field surveys to identify existing facilities, pollutant sources, and opportunity areas, and assisting in the development of all planning documents, including an existing conditions analysis report, a formulating alternatives memorandum, and an evaluating alternatives memorandum. Other responsibilities include assisting in the development of the NEPA categorical exclusion document.

**Crystal Bay Water Quality Improvement Project Phase II | Staff Scientist**  
*Washoe County Department of Public Works, Nevada*

NCE completed Phase II of the Crystal Bay Water Quality Improvement Project. The site is very similar to Phase I in that it is highly developed, has extremely steep topography, and has numerous water quality issues. NCE was responsible for all aspects of scoping, planning, design, and construction management. Specific project responsibilities included performing field surveys and developing planning documents, including an existing conditions analysis report, a formulating alternatives memorandum, and an evaluating alternatives memorandum. Other responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with the NEPA categorical exclusion document.

**Erosion, Drainage and Flooding Project | Staff Scientist**  
*Town of Mammoth Lakes Public Works, California*

NCE identified and documented existing drainage and erosion conditions, develop and deploy a prioritization process for ranking existing issues, and provide basic stormwater program assistance to the Town of Mammoth. Project elements included field visits, mapping and documentation of existing conditions, and preparation of an Existing Conditions Memorandum. Specific project responsibilities included writing technical summaries and organizing and producing project deliverables.

**Tahoe Pines Erosion Control Project | Staff Scientist**  
*Placer County Department of Public Works, California*

This Environmental Improvement Program water quality project involved planning, permitting, and design of erosion control and water quality BMPs for residential community on the west shore of Lake Tahoe. The project also required field surveys and impact analysis for the preparation of a NEPA categorical exclusion document. Permit applications were prepared and submitted to Placer County, the US Forest Service, and the Tahoe Regional Planning Agency. Specific project responsibilities included performing field surveys, assisting in the development of planning documents including an existing conditions analysis report, a formulating alternatives memorandum, and an evaluating alternatives memorandum. Other responsibilities included coordinating and implementing wildlife and habitat surveys, analyzing and reporting survey data, and assisting with the NEPA categorical exclusion document.

**Truckee River Water Quality Monitoring Plan and NPDES Permit Compliance | Staff Scientist**  
*Placer County Department of Public Works and the Town of Truckee, California*

NCE was part of a team hired by Placer County and the Town of Truckee to develop a comprehensive monitoring plan for the Truckee River Hydrologic Unit. The monitoring plan was required by a NPDES permit and Board Orders from the Lahontan Regional Water Quality Control Board and the Martis Valley Community Plan. The final monitoring plan provides Placer County and the Town of Truckee a cost effective means of complying with regulatory requirements, the ability to assess the quality of surface waters within their jurisdictions and determine the effectiveness of their respective stormwater management programs. NCE conducted research, analysis, and interpretation of NPDES permits, board orders, stormwater management plans, and community plans as well as assisted in the development of the technical approach for the monitoring plan including data collection, management, and reporting. Mrs. Rios's responsibilities included researching regulatory compliance and assisting with agency coordination and stakeholder facilitation.

**Edgewood Village Water Quality Monitoring | Staff Scientist**  
*The Edgewood Companies, Stateline, Nevada*

NCE developed a Long Term Best Management Practices (BMP) Maintenance and Monitoring Plan which included a Comprehensive Stormwater Sampling Plan for the Edgewood Village Commercial Center and Lakeview Office Center stormwater management systems. The Plan is designed to ensure compliance with permit conditions required by the Tahoe Regional Planning Agency (TRPA). NCE is responsible for visual monitoring of BMPs, sample collection, sample delivery, data analysis, and preparation of reports to meet the requirements of the Plan. Mrs. Rios's responsibilities include visual monitoring of BMPs, sample collection, sample delivery, data analysis, and preparation of reports to meet the requirements of the Plan.

**Water Quality and Stormwater Sampling | Staff Scientist**  
*El Dorado County Department of Transportation, California*

NCE performed stormwater sampling and analysis as required by the Lahontan Regional Water Quality Control Board, the Tahoe Regional Planning Agency (TRPA), the United States Forest Service (USFS), the Bureau of Reclamation (BOR), and the California Tahoe Conservancy (CTC). NCE collected and analyzed water quality samples for selected sites in County right-of-way, past and proposed project areas, and project areas which have on-going construction activities. NCE coordinated all laboratory analysis and reviewed all laboratory data for accuracy and completeness. Mrs. Rios's responsibilities included sample collection, sample delivery, and data analysis.

**Northstar Redevelopment NPDES Permit Compliance | Staff Scientist**  
*East West Partners, Northstar Ski Resort, California*

NCE performed stormwater sampling and construction site inspections on a large scale redevelopment project at Northstar at Tahoe Ski Resort. Sampling and inspections were performed to ensure compliance with federal, state, and local water quality and storm water regulations, including 401 and 404 permit compliance. NCE also assisted East West Partners in complying with requirements of Clean Up and Abatement Orders received from Lahontan Regional Water Quality Control Board (LRWQCB). Mrs. Rios's duties included collecting samples and data, analyzing data, preparing data sheets and reports, and conducting BMP inspections on construction sites.

**Michael J. Leacox, P.G., C.E.G.**  
**Principal Engineering Geologist**

Mr. Leacox has more than 30 years of experience as an engineering and professional geologist, discipline leader, manager and technical advisor for a wide range of civil and environmental projects. He has an unique blend of experience including land re-use and re-purposing, contaminated site evaluations and cleanups, geotechnical engineering, civil engineering, regulatory compliance, resource related experience developed throughout his career managing large multidisciplinary programs and projects. Specific projects include brownfield projects for large industrial facilities, roadway and bridge projects, airport and airfield reconstruction project, civil design of municipal facilities, pond closures, siting studies for landfills and large construction projects, borrow source investigations, and site characterization investigations for landfills.

In addition, Mr. Leacox managed large pond closure and wastewater remediation, and wastewater evaporation system projects. He has designed and implemented monitoring programs for site characterization studies; and designed and implemented subsurface exploration programs for groundwater resource investigations. Mr. Leacox developed a working experience with the California Code of Regulations, Titles 23 and 27, stormwater regulations and permits, and working relationships with the multitude of regulators in California, Nevada and Idaho.

**Representative Projects**

**Multi-Disciplinary Contracts**

**Basewide Environmental and Civil Engineering Support | Program Manager**

*Beale Air Force Base, California*

Mr. Leacox served as the Program Manager for this multi-disciplinary \$4.5 million contract at Beale AFB, California. Representative tasking performed under the contract includes civil design of an extensive water distribution system, preparation of Closure and Post-Closure Maintenance Plans for Landfills 2 and 3, Preparation of Plans and Specifications for the closure of the landfills, construction inspection, preparation of an Air Toxics Inventory Report for the base, preparation of a Basewide comprehensive plan environmental assessment and a cultural resources management plan, design of replacement underground storage tanks for an AFEE's gas station, indoor air quality testing, investigation of offsite groundwater containing trichloroethene, and bioventing pilot studies at three sites. Responsibilities include client maintenance, conflict resolution, maintaining task schedules and budgets, quality control, and overall customer satisfaction.



**Education**

B.S., Geology, 1984  
 University of California, Davis  
 Fundamentals of Groundwater Hydrology, 1987

**Registrations and Certifications**

Professional Geologist – CA (#5210)  
 Certified Engineering Geologist – CA (#EG1671)  
 Professional Geologist – WA (#2449)  
 Certified Hydrogeologist – WA (#2449)

**Training**

EPA 32-Hour Health and Safety Training  
 EPA 8-Hour Supervisor's Training  
 40-Hour Solid Waste Training Program  
 Project Management Training Program  
 40-Hour Groundwater Hydrology Course

**Affiliations**

American Public Works Association  
 Groundwater Resource Association  
 California Engineers Association of California

**Joined NCE**

2003

**Total Years of Experience**

32 years

**Environmental and Civil Engineering Contract Manager | Program Manager**  
*County of Sacramento, California*

Program Manager since the late 1990's for environmental and civil engineering on-call contracts for the County of Sacramento delivering multi-disciplinary projects. Responsibilities include contract management, assembling Teams to meet project needs, scoping, sub-contracting, and budget management. Services under this contract have been in support to the various departments in the County including Department of Waste Management and Recycling, Department of Transportation, Parks Department, Architectural Services Division, Department of Water Resources, Sacramento County Regional Sanitation District, and Department of Information Services. Projects have included assessments at the Sacramento International Airport during the recent airport renovations that included new Terminal B, Phase I and Phase II investigations in support of real estate transactions, emergency clean-ups and waste disposal, design of an essential services tower, design of various facilities at Kiefer Landfill and other waste management facilities, and groundwater sampling and testing in support of various environmental projects.

**Environmental On-Call Contracts Manager | Program Manager**  
*City of Sacramento, California*

Program Manager for on-call contracts since 2003 for the City of Sacramento Department of General Services delivering multi-disciplinary environmental projects. Responsibilities include contract management, assembling Teams to meet project needs, scoping, sub-contracting, and budget management. Projects have been for the various City departments and have included Phase I/II assessments, projects in support of redevelopment in the downtown area and along the Sacramento River, emergency clean-ups and waste disposal, and groundwater sampling and testing in support of various environmental projects.

**Large Aggregate Producer | Program Manager**  
*California and Nevada*

Since 1987 have supported a large aggregate mining, construction, concrete and asphalt manufacture in the acquisition and divestment of properties throughout California. Duties have included identification of environmental liabilities, development of negotiating strategies, participation during negotiations, and development of contract terms and conditions. This includes over 50 transactions that have ranged in value from small (<\$50,000) to over a \$100 million.

**Environmental, Hydrology, Permitting and Geotechnical On-Calls | Program Manager**  
*County of Tuolumne, California*

Program manager delivering multi-disciplinary services to the County of Tuolumne. Projects have included performance of hydraulics and hydrology evaluations in support of bridge replacements as part of the Caltran Highway Bridge Program, migratory and special status species pre-construction surveys, special studies for permitting of CIP project, geotechnical evaluations for bridges and work plans and site assessments for leaking underground storage tanks.

**Environmental and Civil Engineering On-Calls | Program Manager**  
*City of Concord, California*

Program manager delivering multi-disciplinary services to the City of Concord. Responsibilities include contract management, financial control, quality assurance/control, assembling Teams to deliver projects, scoping and schedule management. Projects have included performance of Air Conformity Analyses as required by Caltrans, rapid response contamination assessments in advance of construction, development of strategies for isolating wastes beneath CIP projects and obtaining regulatory approval for that practice, CEQA and permitting support, and geotechnical projects in support of CIP projects.

**Multi-Disciplinary Project for Major Food Processor | Project/Program Manager**  
*Northern and Southern, California*

Program and project manager to assemble and lead teams delivering leading to compliance, facility closure and/or characterization and remediation. Projects have included waste disposal investigations, asbestos and lead paint evaluations, CEQA permitting of wastewater to land disposal, underground storage tank investigations and closure, groundwater investigation associated with former wastewater disposal practices, and design and construction of wastewater management systems. Responsibilities included maintaining task schedules and budgets, quality control, and customer satisfaction.

### **Caltrans Environmental Contract, Northern California | Program Manager** *Northern California*

Program and project manager for a contract to support Caltrans needs with respect to hazardous materials, site characterization and remediation on an as-needed basis. Assembled and lead teams to deliver project that included evaluation of maintenance yards, underground storage tank assessments and removals, aerially deposited lead associated with roadways, clean up soil impacted with lead-based paints beneath bridges during bridge retrofits. Projects demands included delivery of products on-time and within budgets, regulatory negotiations, contract compliance management and ultimate client satisfaction.

### **Water Supply**

#### **Kono Tayee Water Tank | Principal-in-Charge** *Lake County Special Districts, Lakeport, California*

The project included design of a 60,000 gallon potable water tank and appurtenances. The District owned and operated two 25,000 gallon redwood water tanks that were near their serviceable life. This project replaced one of those tanks with a 60,000 gallon epoxy coated bolted steel tank. NCE's services included a topographic survey, geotechnical investigation, coordination and obtaining budgetary estimates from tank manufacturer's, preparation of PS&E, and electrical and controls design services.

#### **Kiefer Landfill Water System Improvements | Project Manager** *Sacramento County Department of Waste Management and Recycling, California*

The project included an evaluation of alternatives for a secondary water supply for the landfill and design and permitting for a new supply well, distribution system and back-up power supply. The goal was to provide a redundant water supply in the event of a failure to the primary system and to relieve demands on the primary domestic supply well. Alternative back up water supplies that have been considered in the past include storage tanks, reconstruction of Well A, water from the groundwater extraction and treatment system, and a second production well, as well as combinations of these alternatives. Major water demands at the landfill include dust control, fire suppression, landscape irrigation and domestic supply. Key features included a 425 foot deep well equipped with a 150 HP vertical turbine pump, a 10,000 gallon hydropneumatic pressure tank, a 350 kw emergency diesel generator, chlorination equipment, controls and telemetry, 12-inch AWWA C900 distribution pipeline, and sitework.

#### **Kiefer Landfill Leaking Production Well Installation | Principal-in-Charge** *Kiefer Landfill, California*

Principal-in-Charge during the installation of nested landfill gas (LFG) production wells at numerous locations within and outside the landfill boundaries, including with the adjacent wetlands preserve. Project included the installation of installation of nested wells at depths between 50 to 180 feet. Critical elements of the project included the selection of the drilling methods, and interpretation of the lithology to identify the most likely pathways for LFG migration.

#### **Groundwater Basin Evaluation | Principal Geologist** *Stagecoach, Nevada*

For the Stagecoach General Improvement District conducted a basin wide assessment for the source and presence of arsenic. The District had three production wells, two of which were high in arsenic. The objective of the assessment was to look for potential areas where they could install a new production well with good production and reduced arsenic concentrations. The evaluation included a literature review, review of hundreds of boring and well logs, review of water quality data from the District and other wells and consultation with the USGS. Project included the drilling and collecting groundwater samples to vertically profile the water bearing units.

#### **Design and Installation of High Capacity Wells | Project Manager** *Lodi, California*

Lead the design of replacement agricultural and supply wells where DBCP, nitrates, and salinity problems were diagnosed. New domestic wells were drilled into underlying water-bearing zones that produced water of higher quality. Three high capacity (300-500 gpm) agricultural and production wells were designed to replace existing wells that were either impacted by or caused transport of elevated levels of TDS. In all cases, the wells pumped at rates higher than designed. Existing agricultural and supply wells were abandoned.

**Well Siting Study | Project Manager**  
*Lodi, California*

Managed and implemented well siting study involving evaluation of existing hydrogeologic, geologic, and geophysical data from a multilayered alluvial aquifer. Project included conducting and evaluating aquifer performance tests for shallow, intermediate, and deep zones; groundwater modeling, and a contaminant migration evaluation.

**Evaluation of Groundwater Supply Options | Project Manager**  
*Los Banos, California*

Conducted feasibility study to evaluate alternatives for a clean water supply to an elementary school with a chromium-contaminated well. Project included assessment of site geology and hydrogeology, and local and regional groundwater quality. Alternatives included installation of a water treatment system and a deeper production well.

**Aquifer Performance Test and Water Supply Evaluation | Project Manager**  
*Sacramento County Department of Waste Management and Recycling, CA*

Conducted and evaluated 72-hour aquifer performance test to evaluate potential for vertical migration of high salinity water into deeper, uncontaminated aquifers. Project included performance of step tests to determine optimal pumping rates, and evaluation of data that included complex interference from surrounding domestic, irrigation, and industrial wells in a multilayered alluvial aquifer.

**Westley Water Supply Project | Project Manager**  
*Westley, California*

Conducted an evaluation of groundwater supplies in the Westley area to determine the potential impact of a proposed residential development. As required by Stanislaus County, the project included an assessment of regional and local groundwater quality and quantity, groundwater recharge and storage, flow patterns, and current groundwater usage. Local geologic and hydrogeologic conditions were also evaluated. Provided recommendations for water supply well locations, construction details, and potential groundwater treatment options.

**Grayson Water Supply Study | Project Manager**  
*Grayson, CA*

Conducted hydrogeologic study to evaluate the potential impact of proposed residential development on groundwater resources in the Grayson area. Investigation included a review of existing hydrogeologic and geologic data to evaluate groundwater quality, quantity, flow patterns, recharge and discharge, and current groundwater usage. Project also included estimating a water balance for the proposed development, and estimating the development's impact upon groundwater supplies.

**Water Supply Study | Project Manager**  
*Tehachapi, California*

Mapped site geology, interpreted geologic structure of a fault-controlled canyon adjacent to the Garlock fault, and conducted groundwater pumping tests to evaluate the available groundwater resources. Concerns included the influence of geologic structure upon groundwater movement and groundwater recharge to a layered alluvial aquifer.

**Water Supply Evaluation | Project Manager**  
*Tehachapi, California*

Conducted and evaluated a 96-hour, 350-gallon per minute aquifer performance test to evaluate the feasibility of using groundwater resources at a biomass cogeneration facility. Project included the performance of step-tests to determine optimal pumping rates, evaluation of data, and assessment of potential influence upon existing production wells around the facility.

**Redevelopment**

**Dock's Area Project Redevelopment, Infrastructure & Environmental Assessment | Principal Geologist**  
*Sacramento, California*

Project is the redevelopment of an existing large industrial property with land uses that date back to the 1800's that included a former manufacture gas plant, lumber yards, bulk oil facilities, disposal areas and dock and wharf related activities. Current uses include site of the City's combined storm/sanitary treatment system and NPDES outfall, bulk oil facilities, museum, and other commercial activities. The project included an infrastructure assessment, a Phase I/Phase II

Environmental Site assessment, and preparation of a human health risk assessment, negotiations with potential developers on behalf of the City. Project specific needs included review of available data and mapping information, performing a detailed site area reconnaissance, and completing a detailed analysis of existing infrastructure including water, storm drain, sanitary sewer, combined sewer, natural gas, electrical power, telecommunications, fire flow, streets, and easements. The infrastructure assessment is one of the corner stones for development of approximately 50 acres of mostly undeveloped land along the Sacramento Riverfront. Project also included the review of environmental site conditions of existing contaminated sites within the project footprint, Phase I & II site assessment and characterization, development of a human health risk **assessment (HHRA), and assistance to the City and the City's planning consultant on the overall project design as it relates** to the presence of the contaminated sites. In addition, using the data collected and the HHRA results, NCE lead efforts associated with obtaining approvals from the California Department of Toxic Substance Control (DTSC) on the conceptual Docks Area development plans. NCE also assisted and supported the City during procurement of the properties with the project. NCE also worked directly with the A&E development team on environmental clearances, Specific Plan support, development of the Facilities Plan, regulatory permitting, and assistance during land use planning to ensure the conceptual project design considered all existing environmental constraints at the site. Project included discussion with USACE and SAFCA regarding flood control and the 100/200 year flood concerns, and incorporating into the promenade design features that could be used in the future for 200 year flood protection. Part of the Docks Area project includes an historic PG&E facility that utilizes an existing cap to contain residual contaminants left on the site by PG&E. The interactions with the DTSC, and the conceptual project design, had to consider the cap and the Land Use Covenants (LUC) associated with that site.

#### **Site Redevelopment and Assessment | Project Manager** *West Sacramento, California*

This highly successful project included support to all parties associated with the redevelopment of the former industrial property that is currently part of the Raley Field baseball facility. The project was initially a solvent soil and groundwater investigation on property owned by Univar. During site investigation activities Univar was approached by River City Baseball to purchase the property. Mr. Leacox was requested by Univar to support discussions with River City Baseball. **Property transaction negotiations included the City of West Sacramento's support in finding a suitable property for relocation of Univar's facility** to the Port of Sacramento, discussions with River City Baseball regarding ownership of cost burdens related to the existing remediation and monitoring infrastructure, future operations of treatment facility, incorporation of the treatment system facility into the infrastructure and architecture of Raley Field, fast tracking of the design and construction of the remediation system to coincide and be completed as part of stadium construction, and negotiations with the RWQCB regarding issuance of the Waste Discharge Permit and the named parties. All aspects of the project included forecasting of costs associated with the transaction and remediation as well as the development of plans and specifications of a treatment system to be incorporated into the Raley Field project.

Site assessment activities included characterization of the solvent plume associated with former rail operations and bulk handling facilities in the unique hydrogeologic environment adjacent to the Sacramento River. The site characterization required detailed studies to understand the interaction of tidal fluctuations and changes in flow conditions in the Sacramento River and its impact on the fate and transport of the contamination. Project included design, installation and operation of an insitu, enhanced reductive dechlorination treatment system that rapidly and effectively remediated the core of the solvent plume to the satisfaction of the RWQCB and the Yolo County Environmental Health Department. The final stage of the project included the implementation of a post-remediation system shut-down monitoring program to demonstrate the rebound of the contaminants would not occur and that natural attenuation would resolve the remaining residual contamination.

Coincident with the shutdown of the treatment system the City of West Sacramento developed plans and specifications for installation of the infrastructure to support redevelopment of the remaining portion of the Bridge District. The plans and specifications included the installation of stormwater infiltrations systems beneath the sidewalks. **With this new source of water into the groundwater system the concern was the potential impact of each "slug of water" that infiltrated during rainfall** events to impact the remaining portions of the plume that were intended to be allowed to attenuate naturally. This development resulted in mutual agreement between the City of West Sacramento and Univar to prepare a groundwater model to evaluate this potential. The groundwater model was developed and showed little potential for impacts. At the request of the RWQCB, NCE developed and implemented a groundwater level monitoring program to evaluate the model predictions that there would be limited impact.

**Site Redevelopment Evaluation of a 20 Acre Former Industrial Facility | Project Manager**  
*Sacramento, California*

Project manager for the evaluation of the City of Sacramento Former Incinerator facility to convert the property to mixed-use residential and commercial uses. Site is located near the UP Railyard and was the former location of the City's Waste Incinerator during the early 1900's. Post-uses incinerator uses at the site included a host of heavy industrial activities including large pump manufacturing and painting, and electrical parts manufacturing. Concerns include commingling solvent plumes with the former UP Railyard and fuel related contamination from a nearby printing shop. Project included geophysical surveys, passive soil gas surveys, soil borings, test pits, and groundwater wells and water sampling. As part of the characterization work it was discovered that much of the Site is underlain by buried incinerator ash. The created a complex regulatory environment to include CalRecycle because the site is considered a legacy landfill, Sacramento County Department of Environmental Management as the LEA for CalRecycle, and the RWQCB.

**Monument Rail to Trail Phase 2 | Principal in Charge**  
*City of Concord, California*

Project was the conversion and repurposing of a former rail facility into a pedestrian path. Previous environmental investigations identified elevated levels of arsenic and polynuclear aromatic hydrocarbons (PAHs) in shallow soils along the narrow alignment of the former railroad tracks that were previously used at the Site by the Southern Pacific Railroad. To reduce the potential exposure of the arsenic and PAHs, the City of Concord constructed a Class-1 Pedestrian Trail over the impacted soils. The project scope included preparation of a time critical work plan to keep funding in-place that provided a description of the Project and the functional, safety and regulatory steps and processes that would be implemented during various stages of the Project to reduce work and public exposure to the impacted soils (the work plan was submitted to the California Department of Transportation (Caltrans) as part of Caltrans review and approval of the construction of the Project). The steps included preparation of a risk assessment, determination of target cleanup levels, and preparation of three project support documents including a Soil Management Plan (SMP), Air Monitoring Plan (AMP), and Health and Safety Summary; entrance into the California Department of Toxic Substance Control Voluntary Clean-up Program (VCP), preparation of a PEA and an Operations and Maintenance Plan after construction of the path.

**Re-Purposing of a Former Ammunition Manufacturing Facility | Project Manager**  
*City of Santa Clarita, California*

Project Manager to convert a former ammunition manufacturing facility to a teen activity center for the City of Santa Clarita. Project included investigation and assessment of lead and propellant contamination followed by development of a human health risk assessment to evaluate clean up criteria. Based on the risk assessment we developed clean-up goals to guide remediation activities. Upon completion of remediation activities entered into the Department of Toxic Substance Control Voluntary Clean-up Program, and prepared a Preliminary Endangerment Assessment to demonstrate that the project, after remediation, did not pose an unacceptable threat to human health and the environment. DTSC signed off on the project granting concurrence with the findings of the PEA.

**Redevelopment of a Former Truck and Travel Plaza | Project Consultant and QA/QC Reviewer**  
*Corning, California*

QA/QC reviewer for the assessment, permitting and regulatory negotiations for redevelopment of an old truck stop for a national truck and travel plaza operator. An old abandoned highly contaminated truck stop was purchased plans to build a new truck stop. Redevelopment of the site required demolition of structures containing asbestos as well as an evaluation of an existing on-site groundwater monitoring well network of 28 wells. NCE provided engineering and environmental services before, during, and after construction of the new truck stop which was constructed and opened within 12 months of property acquisition. NCE also performed a remedial investigation associated with hydrocarbons and chlorinated solvents found in soil and groundwater beneath the site and off-site. NCE assisted in convincing the RWQCB to allow the development of the property accommodating the existing well network and allowing the property owner to conduct the follow on groundwater investigations after the facility was re-opened for business.

**Site Redevelopment Evaluation of an Existing Hospital | Project Manager**  
*Sacramento, California*

Project Manager to assess the potential concerns associated with historical and ongoing uses of a 50 acre hospital facility leading to the repurposing and redevelopment of the site into mixed use, single family and moderate density residential and light commercial land-uses. Project concerns included radioactive material, fuels, solvents, heavy metals, bio-hazards, and asbestos and lead-based coatings.

### **Site Redevelopment Evaluation of Former Aggregate and Concrete Manufacturing Facilities | Project Manager** *Sacramento, California*

Project included the evaluation more than 400 hundred acres with former uses that included aggregate mines, concrete plants, concrete manufacturing facilities, shops and repair facilities, bulk fuel storage, and other industrial land uses into mixed single family, medium and high density residential, and commercial products. Adjacent land uses included landfills, other aggregate mines, and mixed residential and commercial facilities. Project included site history evaluations and identification of areas of concerns, characterization of those concerns, development of remediation/mitigation strategies and the development of financial forecast to accompany those concerns. Project included technical studies to support project specific EIRs as requested by the Lead Agency.

### **Site Redevelopment of 200 acres of Former Auto Dealerships | Project Manager** *Sacramento, California*

Under the Brownfields Hazardous Materials and Petroleum Site Specific Grant Program, for the City of Sacramento, conducted studies related to redevelopment activities of over 200 acres of land formerly used by auto dealers in the Florin Road area. Project included negotiations and discussions with 8 land owner to identify potential concerns associated with their specific land uses, the groups concerns associated with the investigative work including possible outcomes that would be a result of any findings from the work. Possible contamination sources at the properties included auto repair activities, above and below ground oil and fuel storage facilities, sumps, hazardous materials storage areas, car washes and literally hundreds of hydraulic lifts. The investigations were completed and each property was identified to have numerous concerns. Discussions were initiated with Sacramento County Department to develop specific evaluations to resolve the concerns. The additional evaluation included developing fate and transport evaluations that were linked to land use scenarios resulting in SCEMD's concurrence to leave certain contaminants in place. SCEMD provided closure letters to the property owner, much to the satisfaction of the property owners.

### **Site Redevelopment and Project Oversight | Project Manager** *Point Molate, California*

Project includes providing environmental consultation and remediation oversight for the Pt. Molate project. The Navy transferred 371 acres in 2003 of the former Point Molate Naval Fuel Supply Depot to the City following the execution of a Finding of Suitability for Transfer. The facility was used for storage and transfer of fuels to ships and other vehicles beginning in the early stages of World War II until approximately the mid 1960's using million gallon storage tanks and large transfer and pumping facilities. In 2008, the Navy and City entered into an Early Transfer Cooperative Agreement (ETCA) that transferred the remaining 41 acres pursuant to a Finding of Suitability of Early Transfer. The Navy provided \$28.5 million to the City to perform the remaining site remediation activities. Development alternatives for the various parts of the property range from parklands to mixed-used residential and commercial settings. Contaminants at Pt. Molate range from heavy bunker oils and fuels related to fueling operations to heavy metals, solvents and agricultural chemicals stemming from support operations to the fueling activities. Project elements include negotiations with the Regional Water Quality Control Board, attending and presenting at the Point Molate Community Advisory Committee, presenting at City Council Meetings and discussions and negotiations with project stakeholders.

### **City Wide Support to Redevelopment Projects | Project Manager** *Richmond, California*

Project manager for on-call contracts over the last 10 years with the City of Richmond Redevelopment Agency and Successor Agency to provide as-needed Professional Environmental, Civil Engineering and Geotechnical Services. The environmental services is intended to productively reuse underutilized properties and redevelop infrastructure to enable new socioeconomic opportunities in the forms of employment, retail, and housing for the citizens of Richmond as well. Environmental projects have including sampling and testing for asbestos as part of design and construction of infrastructure projects, Phase I and Phase II assessments, evaluation of existing environmental data to support decision making with respect to the relocations of City facilities (Corporation Yards), soil gas investigations for compliance with redevelopment agreements with DTSC, support during negotiations with private parties for real estate transactions, oversight environmental consultants on behalf of the City of Richmond to ensure their technical and financial responsibilities at the Point Molate Naval Fuel Supply Depot are addressed, and other related environmental/contaminated site projects.

### **City Wide Support to Redevelopment Projects | Project Principal and QA/QC Reviewer** *Sacramento, California*

Project Consultant providing consultation and QA/QC reviews for projects stemming from on-call contracts over the last 20 years with the City of Sacramento Housing and Redevelopment Agency and Successor Agency. Services site characterization, support to negotiations for real estate transactions, clean up and development blighted and contaminated properties. Projects have including sampling and testing, and preparation and implementation of remedial action plans for sites contaminated with fuels, heavy metals, and solvents. Phase I and Phase II assessments, soil gas investigations, geophysical investigations, high resolution investigation techniques. Projects have also included negotiations with various agencies including Sacramento County Environmental Health, DTSC, and the RWQCB. Challenges have included developing risk-based remedial actions to support desired land use scenarios, cost negotiations, and implementation of clean ups on rapid turn-around times.

### **Proposed Re-Use of Former Waste Water Treatment Plant | Project Manager** *Sacramento, California*

Project manager to investigation possible contamination associated with a former Sacramento County Regional Sanitation District waste water treatment facility. Sacramento County desired to purchase the property and assimilate it into a park setting along the American River Parkway. Contaminants of concern included heavy metals from sludge dewatering and handling operations, chlorine related contaminants from chlorination activities, fuels related to standby generators, possible bacterial contaminants, and general contamination present in treated and untreated waste water. The media of concern were both soil and groundwater. Findings from the investigation identified the presence high levels phthalates and trihalomethanes in groundwater that there derived from infiltration of waste water into the subsurface, as the presences of arsenic above background concentrations and regulatory screening values.

### **Site Redevelopment Evaluation | Project Manager** *Herlong, California*

Project manager for RI/FS of 14 sites at Sierra Army Depot for the U.S. Army Environmental Center leading to the BRAC Closure and redevelopment of the Army Base. Project included the RI/FS of sites that included former demolition ranges, active vehicle maintenance areas, fire training areas, wastewater ponds and industrial activities. The assessment included the collection of soil and groundwater samples, analysis of chemical data including a comparison of the metal concentrations to the background, and performance of a human health evaluation. Analytes included semi-volatile compounds, metals, pesticides, PCBs, and nitrate.

### **Old Red Bluff Landfill Redevelopment and Waste Limits Investigation | Principal Geologist** *City of Red Bluff, California*

NCE was contracted by the City of Red Bluff (the "City") to support the City in the evaluation of alternatives leading to the closure of the an inactive landfill referred to as the "Old Red Bluff Landfill": The purpose of the investigation was to support the City and the California Natural Resources Agency's Department of Resources Recycling and Recovery (CalRecycle) in selecting and designing a remedy to bring the Site into compliance with State regulations for closed disposal sites. CalRecycle was currently evaluating the Site for State funding to design and conduct the needed construction activities to bring the closed landfill into compliance. The included reviewing historical aerial photographs, a geophysical survey, excavation of exploratory test pits and physical testing to evaluate onsite borrow sources that might be used during final grading and cover alternatives.

### **Marina Bay Redevelopment Soil Gas Evaluation Project | Project Manager** *City of Richmond, California*

The areas investigated during the soil gas investigation were the eastern portion of Peninsula Drive and the southwest portion of Shimada Friendship Park where PHC-affected soils were encapsulated near a residential development. During a recent Five Year Review, it was identified that the vapor intrusion risk pathway was not considered at the time the remedy was implemented because vapor intrusion was not recognized nor understood at that time as a potential exposure pathway. Accordingly, the purpose of the investigation was to assess if the PHC- encapsulated soils posed an unacceptable risk to the nearby residences via the vapor intrusion risk pathway.

The scope of work included installing a total of 17 dual phase soil gas wells to assess the vertical and lateral extent of soil gas concentrations, performing five soil gas sampling events, collecting groundwater samples from a nearby groundwater monitoring well, and conducting a risk assessment. Responsibilities included maintaining task schedules and budgets,

obtaining the necessary permits (i.e., drilling and encroachment), providing oversight of project personnel (including implementation of the HASP), quality control, evaluation of the data, report preparation, and waste profiling of Resource, Conservation, Recovery Act (RCRA) wastes. Additionally, NCE led the regulatory interaction on this Project with DTSC and assisted in convincing the DTSC to give the project a no further action (NFA) determination.

## **Site Development**

### **Kiefer Landfill Entrance Improvements | Project Manager**

*Sacramento County Department of Waste Management and Recycling, California*

NCE provided planning and design services to upgrade and modernize the entrance, access roads, and scale facilities at the landfill to improve operational efficiency, water quality, and aesthetics. Design services included roadway geometrics, curb and gutter design, storm water drainage design, storm water quality and management elements that are incorporated in to the overall design project, signage and striping plans, utility relocation, scale house and scale relocation, and landscape design. Pavement design will accommodate heavy truck traffic queuing at the scales. The project also included development of storm water quality best management practices in conjunction with the landscape architect that includes bioswales and other functional landscape features. Project challenges included development of a design that could be constructed in phases and allow the landfill to be fully operational during construction of the project. PS&E (90 sheets) and construction oversight was provided by NCE on the project.

### **Twitchell Island Radio Tower | Principal-in-Charge**

*County of Sacramento, California*

Principal-in-Charge for the design of an essential services tower. Project includes the design construction of 300 feet tall communications tower, elevated communication shelter, propane gas fired emergency generator, and underground propane gas tank. The tower is located on Twitchell Island in south Sacramento County. The tower and elevated communication shelter are founded on up to 70 feet deep precast concrete piles as the location of the tower. The facility is classified as an essential communications facility and is located within the 500-year flood zone. The project tasks included site layout, site grading, determine utility, access, and construction easements, coordination with PG&E, and structural, electrical, and mechanical engineering.

### **Sycamore Park | Principal-in-Charge**

*City of West Sacramento, California*

Principal-in-Charge during the civil design services for a park, community garden and parking lot project in the City of West Sacramento. The current vacant parcels will be transformed into a focal point for the community and provide space for a farmers market, gardening, and recreation. The civil scope includes pavement design for the parking lot, curb and gutter layout, storm drain design, LID features like overland flow, bioswales, and small detention basins, grading, design of water services for irrigation and domestic water supply, and design of a sewer connection for a future restroom.

### **Arnold Rim Trail Connector Project | Principal-in-Charger**

*County of Calaveras, California*

NCE provided civil design services for a shared use trail that connects the community of Arnold to the Arnold Rim Trail. Civil engineering design services include geotechnical investigation and recommendations for subgrade preparation, site and trail grading to comply with current ADA requirements to the extent possible, design of a natural trail, and revegetation. NCE also supported the County with preparing the required documents for the Federal-Aid funding process.

### **NARS Waste Processing Building Floor Rehabilitation | Principal-in-Charge**

*County of Sacramento, California*

NCE provided civil design services for the County of Sacramento NASR waste processing facility that include the rehabilitation of the concrete floor of the waste processing building. The use of heavy equipment and the steel wheels of the waste compactor have a heavy impact on the concrete floor on the building and the County is looking at the appropriate **rehabilitation method and product to minimize pavement maintenance**. NCE's services included research of concrete topping materials, concrete coring, topographic surveying, and recommendations of the preferred concrete overlay material. In addition, a present value calculation was provided to assist the County in budgeting for future concrete pavement overlays.

**Oliver Road Park & Ride Facility | *Principal-in-Charge***  
*Fairfield, California*

This project was awarded project of the year by the Northern California American Public Works Association. This redeveloped facility was converted to a Park and Ride facility that is a temporary auxiliary van and car pool lot to relieve the current parking challenges at the Fairfield Transportation Center (FTC) and reduce the impact of closing the existing parking lot at the FTC during the construction of the FTC expansion. Access to the new Park and Ride facility will be off of Oliver Road and Hartford Avenue at existing driveways. The project will be constructed on City property and on a reciprocal easement located in the area of the driveway at Hartford Avenue. The conceptual layout provided by the City indicates that there are about 180 parking spaces planned. The project includes re-grading of a portion of the parking area and the use of full depth reclamation (FDR) to reuse existing pavement materials to allow for a sustainable project. FDR allows to re-grade the site and revise the drainage pattern to construct low-cost LID features i.e., bioswales and bio-detention basins.

**Landfill Expansion Development and Expansion Studies | *Project Manager***  
*Saugus and Corona, California*

Lead Geologist and project manager for siting studies associated with the development and expansion of two landfills. Projects included geotechnical, geological, and hydrogeological evaluation of proposed expansion areas. Projects also included geologic mapping, air-photo interpretation, borehole packer permeability testing, groundwater assessment, geophysical surveys, ripability studies, and clay liner source evaluation. Geologic conditions includes alluvial fan materials over consolidated rock formations the required evaluation of flow through fractured media. Studies also required assessment of the volume and quality of available onsite clay material that could be used for liner materials.

**Landfill Construction and Operations | *Project Manager***  
*Saugus, California*

Implemented groundwater and unsaturated zone monitoring plan at an existing landfill and proposed expansion areas to conform with California Administrative Code Title 23, Chapter 3, Subchapter 15. Installed, sampled and interpreted data from groundwater monitoring wells to 380 feet, including vadose zone wells, lysimeters, and neutron-probe access holes.

**Landfill Construction | *Project Manager***  
*Corona, California*

Onsite geologist during construction of Class III landfill. Responsibilities included assisting contractor in implementing landfill design criteria, and groundwater, vadose-zone, and leachate monitoring plans.

**Landfill Clay Liner Source Evaluation | *Project Manager***  
*Corona, California*

Conducted geologic investigation that identified onsite source of clay for use as a liner. Investigation included extensive field mapping and laboratory testing to characterize the compaction/permeability properties of the clay. Assisted contractor during excavation of clay materials to ensure that quality assurance/quality control requirements were met.

**Long-Term Jail Siting Study | *Project Manager***  
*Orange County, California*

Project manager responsible for mapping the geology and identification of geohazards of five areas in the Santa Ana Mountains as part of an environmental impact report to assess the potential for the sites to be developed as a large jail facility. Concerns included the relationship of possible landslides, faults, geologic structure, and alluvium depths to proposed cut and fill slopes and proposed building locations.

**Low Level Radioactive Waste Siting Study | *Project Manager***  
*Mojave Desert, California*

Lead geologist for site evaluations of multiple sites in the Mojave Desert for their potential development as a low level radioactive waste disposal facility. Project included evaluation of the site hydrogeology, geohazards, hydrology, geology including detailed assessments of the vadose zone. Project include the design, construction and installation of deep monitoring wells, development of criteria for the placement and the installation of thermocouple psychrometers and tensiometers horizontally away from 6-foot-diameter, 40-foot-deep caisson for vadose-zone monitoring as a part of the detailed assessment.

**Site Development for a Steel Reservoir | Project Manager**  
*Fallbrook, California*

Mapped site geology and geohazard study for a 1.3-million-gallon steel reservoir tank located in the Santa Ana Mountains.

**Landfill Access Road | Engineering Geologist**  
*Riverside County, California*

Engineering geologist for the design of a 1.3-mile-long access road. Project included evaluating and avoiding geohazards, balancing of cuts and fill, assessing rippability of the rock to aid in the development of plans, specifications and estimates. Project included use of seismic refraction geophysics to assess the rippability of bedrock cuts up to 55 feet, geohazard mapping, as well as foundation design criteria for a 5-span bridge.

**Site Characterization and Remediation**

**Characterization of Petroleum Hydrocarbon Plume | Project Manager**  
*Benicia, California*

Project Manager for a project to characterize the distribution of soil and groundwater at a bulk fuel distribution facility in Benicia, California. Concerns included commingling plumes with another nearby facility and the hydrogeologic regime was groundwater flow through alluvium as well as fractured bedrock.

**Bulk Oil Tank Facility | Project Manager**  
*San Pedro, California*

For a bulk oil facility related to a former Navy fuel supply depot implemented site assessment program to determine if past operating procedures at the facility had resulted in soil and/or groundwater contamination. Investigative techniques included geophysical surveys, soil borings and monitoring wells, and soil and groundwater physical/chemical testing. Project included aquifer characterization and preparation of final engineering report.

**Characterization and Remediation Implementation at Bulk Oil Tank Facility | Project Geologist**  
*West Sacramento, California*

Project geologist during the characterization of fuel contamination in soil and groundwater at a bulk oil facility for a major oil company. Investigative techniques included soil borings and monitoring wells, and soil and groundwater physical/chemical testing. Project included aquifer characterization and preparation of reports.

**Site Characterization of Batch Plants and Concrete Manufactured Products Facilities | Project Manager**  
*California and Nevada*

Project manager for Phase I and II related to evaluations of over 50 former and existing (operational) concrete batch plants, asphalt batch plants and concrete product manufacturing facilities throughout California and Nevada. Environmental concerns related to the facilities are typically the potential presence of chromium VI from plant operations and washing, and fuels related to trucking and plant operations. Assessments included plant operations of concern where contaminants can be introduced into the environment that include "lube racks" where diesel was formerly used to lube the trailers to prevent asphalt from sticking, wash racks where concrete trucks are cleaned when returning from deliveries, washing of concrete batch plants facilities and concrete forms and the disposal of residual paste from the batch plant and concrete forming operations. Projects included development of remedial action plans to support property transfers and conversion of land use related to redevelopment.

**Dry Cleaner Groundwater Remedial Investigation / Feasibility Study | Project Manager**  
*Chico, California*

Project Manager for site characterization and interim remedial activities at the North Valley Plaza Mall in Chico California at the site of a dry cleaning facility where previous site activities have impacted local groundwater resources with chlorinated solvents. The client consists of a "Client Group" of responsible parties. Environmental manager representatives from each of four large financial lending institutions have retained NCE to provide not only environmental engineering services, but also to act the project coordinator for the group and regulatory liaison with the lead agency (California Department of Toxic Substance Control (DTSC)). Project included characterization of a perchloroethene impacted groundwater plume that extended offsite for several thousand feet and had impacted three water bearing zones. The setting consists of mixed commercial and residential use. In addition, municipal water supply wells have been impacted by these contaminants, resulting in a locally charged and politically "hot bed" issue.

**Site Characterization and Remediation Lewis Cleaners | Project Manager**  
*Davis, California*

As the lead for the Client Group, managed and designed a project to evaluate the lateral extent of soil and groundwater impacted with perchloroethene. Investigation included installing soil borings and monitoring wells, high-resolution investigation technologies, vapor intrusion evaluations, and soil gas surveys. Project included the development of plans and specifications, and the installation of a soil vapor extraction system. Project demands included working with multiple parties, hearing and understanding their concerns, and converting those diverse perspectives into work products, technical studies, and remediation plans that were acceptable to the Group.

**Cement Plant Manufacturing Facility | Project Manager**  
*Mojave, California*

Implemented verification monitoring program at a cement manufacturing facility to evaluate the presence and define the limits of hexavalent chromium in layered alluvial aquifer at facility with multiple point sources. Study included use of electrical resistivity and seismic refraction geophysical techniques, well installation, aquifer testing, soil and groundwater sampling, and geologic mapping.

**Cement Plant Manufacturing Facility | Project Manager**  
*Colton, California*

Investigated use of cement kiln dust as possible landfill liner material. Techniques included borehole permeability testing and extensive laboratory testing.

**Solvent Migration Evaluation | Project Manager**  
*City of Industry, California*

Implemented underground tank monitoring program and managed field investigation to evaluate facility with multiple solvent and metal sources. Supervised well installation, sampling, and testing. Evaluated data to determine the horizontal and vertical extent of plume migration and background contamination.

**Underground Storage Tank Investigations | Project Manager**  
*Northern California*

Managed and implemented soil and groundwater investigations to evaluate the lateral and vertical extent of impacted soil and groundwater from leaking USTs. Assessments included gasoline, diesel, and waste oil, and dissolved free product migration studies. Investigative techniques included the use of soil gas surveys, drilling of monitoring wells and soil borings, and excavation of soils using backhoes. Remediation techniques included dig and haul, thermal oxidation, in situ biodegradation, oxidation, free product removal, and a host of other methods.

**Solvent Plume Investigation | Project Manager**  
*Tracy, California*

Managed investigation to evaluate lateral and vertical extent of impacted groundwater and soil associated with a TPCA pond at a major railroad facility. Investigation also included an evaluation of the lateral and vertical extent of an approximately 1-mile-long solvent-impacted groundwater plume. Investigative techniques included the use of Hydropunch, soil gas surveys, and the installation of simple and multiple-cased monitoring wells.

**Rail Yard Site Assessment and Fuel Contamination Clean Up | Project Manager**  
*Santa Ana, California*

Managed and conducted Phase I and Phase II site assessments to evaluate the potential impact to soil and groundwater from past operations at a major railroad facility. Phase II investigation included installation of groundwater monitoring wells and soil borings to evaluate areas of concern identified in the Phase I survey.

**Railyard Site Assessment | Project Manager**  
*Sacramento, California*

Managed investigation to evaluate the lateral and vertical extent of impacted soil and groundwater associated with a previous oil recycling and railroad facility. Investigation included the installation of groundwater monitoring wells and soil borings, and evaluating analytical data.

**Site Assessment for National Laboratories | Project Manager**  
*Albuquerque, New Mexico*

Performed preliminary assessment at Sandia National Laboratories (SNLA) to establish SNLA's compliance with RCRA regulations and to identify solid waste management units at the site. Upon identification, the SWMUs were assessed for their potential to release hazardous materials to the environment, and, where releases were identified, corrective actions were recommended.

**Site Redevelopment Evaluation | Project Manager**  
*Long Beach, California*

Managed and implemented field investigation and evaluated data to assess the areal and vertical extent of contamination by hydrocarbons and solvents in shallow soil and groundwater associated with site redevelopment into commercial/residential properties. Program included tidal fluctuation survey, analysis of tidal effects on groundwater movement, and evaluation of aquifer permeability to assess and develop possible remediation alternatives.

**Site Assessment for a US EPA Superfund Site | Project Manager**  
*Kent, Washington*

Implemented and supervised supplemental remedial investigation involving installation, and sampling at a Class I disposal facility to define the extent of volatile organic and inorganic contaminants in soils and groundwater.

**Site Investigation and Spill Recovery | Project Manager**  
*Indio and Blyth, California*

Implemented and assisted in the design, installation, operation, and maintenance of pneumatic and intrinsically safe drawdown pumps, and pneumatic total-fluid and skimmer recovery pumps to remove free product from groundwater.

**Site Assessments and Remediation at Agriculture Supply Facilities | Project Manager**  
*Sacramento and San Joaquin Valleys, California*

Managed and designed investigations to evaluate potential for soil and/or groundwater to have been impacted by previous site usage. Investigations included evaluation of nitrates and other agricultural chemicals such as carbamates, organochlorine and organophosphate pesticides, and herbicides. Developed creative remediation strategies that included re-use of nitrate impact groundwater as make up water during preparation of fertilizers for sale, and land application of remediation system derived groundwater. Projects included negotiation clean-up goals and including waste discharge requirements with the RWQCB.

**Article 5 Evaluation and Corrective Action Program | Project Manager**  
*South Comanche Shores, California*

For East Bay Municipal Utility District developed an evaluation monitoring program and corrective action plan for a landfill located on the south shore of Lake Camanche. Projected included the installation of groundwater monitoring wells within the Riverbank formation, development of a hydrologic water balance for the surface water and groundwater systems in a complex hydrogeologic regime. Project included development of a unique and very cost effective corrective action program for closure of the landfill. The RWQCB recently rescinded the waste discharge requirements. Project included the design of a landfill cap and park amenities as part of the negotiated closure.

**Solvent Plume Characterization | Project Manager**  
*Sacramento, California*

Project manager during the characterization of solvent impacted groundwater at the Continental Chemical formulation facility in Sacramento. Project included soil gas surveys, soil and groundwater sampling resulting, including deep well installation and the evaluation of offsite contamination with commingling plumes for other sources. Project also included negotiations with the regulatory agencies and legal representatives of Sacramento County.

**TPCA Pond/Solvent Migration Investigation | Project Manager**  
*Tracy, California*

Managed investigation to evaluate lateral and vertical extent of impacted groundwater and soil associated with a TPCA pond at a major railroad facility. Investigation also included an evaluation of the lateral and vertical extent of an approximately

one mile long solvent-impacted groundwater plume. Investigative techniques included the use of Hydropunch, soil gas surveys, and the installation of simple and multiple-cased monitoring wells.

**Pond Closure and Waste Characterization Investigation | Project Manager**  
*Stockton, California*

Project manager during the characterization, closure and demolition of a wastewater pond for a chemical plant in Stockton, California. Project included the installation of a pond cover to prevent winter rains from filling, and subsequent use of the cover as part of an innovative method for evaporation of the water. Project included development of closure criteria and cleanup goals for the sludge, remaining pond water, and soil, regarding and re-vegetation. Project also included the designed investigation to characterize pond water, sludge, and effluent. Pond was slated for closure by the California Regional Water Quality Control Board as required under the Toxic Pits Closure Act (TPCA). Investigation was designed to evaluate the waste characteristics in an attempt to remove the pond from the TPCA program. Project included working directly with the California Environmental Protection Department - Alternative Technologies Division's concurrence program.

**Site Characterization and Compliance Investigation | Project Manager**  
*Bishop, California*

Article 5 detection and evaluation monitoring program, Bishop, Inyo County, California - Develop an Article 5 detection monitoring program for a proposed waste management unit and implementation of an evaluation monitoring program for existing waste management units at a tungsten mine near Bishop, California. Project site is located in a steep alluvium-filled canyon formed by normal faulting along the eastern Sierra mountains. Project included installation of monitoring wells and lysimeters, pumping equipment for sampling, and protective systems to prevent vandalism. Project also included an evaluation of potential impacts from existing ponds to groundwater and surface water at the site.

**Site Characterization and Feasibility Study | Project Manager**  
*Fort Ord, California*

Project manager for the Base Realignment and Conversion activities that included site characterization, data validation and feasibility studies of a former landfill, a former dry cleaning facility and a fueling, vehicle repair and wash aprons/fueling facilities at Fort Ord. Technical studies included soil-gas surveys, test pits, drilling and sampling, and remedial alternatives evaluation, and report preparation.

**Article 5 Evaluation Monitoring Project | Project Manager**  
*Davis, California*

Project Manager during the design and implementation of an evaluation monitoring program for the University of California - Davis campus landfill. Project included assessment of the lateral and vertical extent of volatile organic compounds in both soil and groundwater, and the assessment of the lateral and vertical extent of inorganic compounds in groundwater. Project highlights included pre-design of the groundwater extraction system to identify the location of possible remedial action extraction wells. Dual purpose extraction/monitoring wells were installed those locations which significantly reduced the number of monitoring wells required for the program. Each well installation included the design and installation pumping equipment for groundwater sampling.

**Port of Richmond (Shipyard No. 3) | Principal in Charge**  
*City of Richmond, California*

The site comprises about 54 acres of land that is currently managed by the Port of Richmond as part of its port facilities and is used for mainly automobile storage. During World War II, the site was used for industrial purposes including shipbuilding and ship repair. In addition, after the war, the site was used for ship scrapping and metal recycling until the late 1980s. These activities reportedly resulted in contamination to soil, groundwater and near shore sediment. The scope of work included annual inspections of two uplands caps, hydrographic surveys of an intertidal/submerged cap, submittal of an annual cap inspection report to the California Department of Toxic Substances Control (DTSC), annual groundwater monitoring of on-site groundwater monitoring wells, submittal of an annual groundwater monitoring report and visual survey of a restored salt marsh area; and performing the first five-year review of the soil and sediment remediation in accordance with the United States Environmental Protection Agency's (USEPA's) guidance document.

**Voter Registration and Elections Office | Principal in Charge**  
*County of Sacramento Architectural Services Division, California*

Project was for Sacramento County Architectural Services Division to evaluate sub-slab moisture conditions at specific locations within and adjacent to the County's Voter Registration and Elections Office located at 7000 65th Street, Sacramento. The most recent site reconfiguration project was conducted in the early 2000s. After completion of that project, the County began noticing wet concrete, mold on walls, and moisture beneath plastic chair mats at certain locations at the Site. To evaluate the source of the moisture an evaluation scheme was developed that included measuring the relative soil moisture content of the underlying soils using either a portable moisture meter or gypsum blocks installed within and outside the footprint of the building.

**Kiefer Landfill Leaking AST Assessment | Principal-in-Charge**  
*City of Sloughhouse, California*

Principal-in-Charge responsible for the remedial investigation of an inadvertent release of diesel fuels from an AST. Investigation included soil sampling for the delineation of TPH-D in soil and developing a fate and transport model (using the Seasonal Soil [SESOIL] Model) to assess whether the current levels of TPH-D identified in the unsaturated zone would migrate and/or significantly impact the upper groundwater bearing zone under normal conditions during the next 100-years. Additionally, NCE led the regulatory interaction on this Project with the Sacramento County Environmental Management Department (SCEMD) and assisted in convincing the SCEMD to give the project an "NFA" determination. A SMP was also developed to support the AST removal activities. Responsibilities included maintaining task schedules and budgets, oversight of project personnel (including implementation of the HASP), quality control, and report preparation.

**Highway 4 Ramps at Arnold Industrial Way Soil Investigation and Soil Stockpile Profiling | Principal-in-Charge**  
*City of Concord, California*

On an expedited basis NCE was City of Concord and Economic Development (the City) to develop a plan to assess the nature and extent of contaminated soils, and develop disposal options for those soils, that were expected to be encountered during the installation of street light pole foundations. The objective was to have a plan and procedures in place to minimize any disruption to construction and protect onsite personnel. To achieve the goals, NCE collected conducted a brief site history review of surrounding facilities and developed a sampling and testing scheme to assess the presence of contamination. Once completed NCE provided the City with recommended storage, profiling and disposal options.

**Clyde Pedestrian Path | Project Manager**  
*City of Clyde, California*

This site formerly supported a rail line that had been owned/used by various railroads since 1911. During the long history of railroad operations, weed abatement along the railroad tracks and diesel exhaust from the trains appear to have resulted in the presence of arsenic and PAHs. To reduce the potential exposure, Contra Costa County constructed a pedestrian path over the affected soils to reduce the potential for exposure of the arsenic and PAHs.

The project scope included a risk assessment, determination of target cleanup levels, and preparation of three project support documents including a Soil Management Plan (SMP), Air Monitoring Plan, and Health and Safety Summary; and preparation of PEA and an O&M Plan following construction of the path. Responsibilities included maintaining task schedules and budgets, quality control, providing oversight of project personnel (including implementation of the HASP), report preparation, waste profiling of non-usable wastes and reviewing laboratory chemical analytical data of potential imported fill materials to assess if the materials are acceptable for use at the site.

**Landfill Spill Prevention, Control and Countermeasure (SPCC) Plan | Principal-in-Charge**  
*City of Woodland, California*

Project has included the initial preparation and the development of updates of a SPCC Plan associated with the landfill operations at the Yolo County Central Landfill. The plans provide controls and countermeasures to be taken should spillage occur at the Site.

**North Hollywood Operable Unit (NHOU) | Principal-in-Charge**  
*City of Burbank, California*

Principal-in-Charge to oversee the investigation of a solvent plume on the Burbank Airport Property by a third party to ensure that work was conducted in accordance with a California Department of Toxic Substance Control approved work plan. The

object of the third party oversight was to provide technical oversight to protect the interests of the City and Airport Operations with the Operable Unit that is within the Burbank Airport.

**Environmental Compliance Auditing – California Truck and Travel Plazas | Principal Geologist**  
*Various Locations throughout California*

Project manager for the development of facility specific environmental compliance checklist and performing compliance audits associated with UST fueling systems, wastewater, stormwater, hazardous materials and water supply for six large California truck and travel plazas.

**Resources Related**

**Storm Drain Outfall Mapping | Principal-in-Charge**  
*City of Placerville, California*

Project included the mapping of the City's storm drain system with focus on the outfall locations to the local creeks and streams. City of Placerville Public Works Department (the City) has not had a solid understanding of the location, condition, or connectivity of its storm drain system. As a result, the City contracted with NCE to develop a comprehensive and accurate Storm Drain Outfall map to support the City's stormwater infrastructure planning, operations, and maintenance; and National Pollutant Discharge Elimination System (NPDES) reporting and compliance. Primary tasks for this project included developing a data model, geodatabase, and data collection protocol, collecting spatial and attribute information on storm drain outfalls and drainage features within the City limits, and conducting spatial analysis of collected data to prioritize operations and maintenance actions.

**Habitat Enhancement and Groundwater Recharge | Principal Geologist**  
*City of Elk Grove, California*

Principal Geologist to develop groundwater recharge facilities within a stormwater detention basin, including the development of habitat enhancements. Project included evaluation of local and regional geology, hydrogeology and systems to enhance infiltration of stormwater after first flush from the contributing watershed. Project included the identification of a region wide, thick gravel layer that could be targeted and result in significant recharge capacity. Project design included installation of a deep infiltration trench filled with gravels followed by larger footprint of finer grained sands to act as a filter media without inhibiting infiltration.

**Pre-Construction Migratory Bird and Special Status Species Surveys | Project Manager**  
*County of Tuolumne, California*

Lead a team of biologist to survey for migratory birds and special status species including yellow legged frogs in advance of construction for a variety of construction projects. Projects have include finding that required follow up with various agencies include California Department of Fish and Wildlife and recommendations to client for mitigation options.

**Infrastructure**

**Various Streets Rehabilitation | Principal-in-Charge**  
*Fairfield, California*

NCE was retained by the City of Fairfield to provide pavement and civil design services for a pavement rehabilitation project that included three arterial road sections. The services included locating underground utilities and topographic surveying. Pavement design was based on FWD testing and pavement coring. Civil design components included ADA ramps and edge drains on streets where irrigation of adjacent landscaped areas may cause subgrade issues. NCE supported the City of Fairfield during the E-76 process and participated in the Field Review, provided required Environmental Reports (i.e., biological resources study and water quality memo), and compiled the necessary exhibits for the E-76 package to obligate funds for construction.

**Markleeville Water System Improvements | Principal-in-Charge**  
*Alpine County, California*

Principal-in-Charge during the design of the water system improvements in Markleeville, California. The project includes upgrade of the existing water mains with PVC C900 pressure pipes, water services with RadioRead, new fire hydrants, air release valves and flush valves. The project also includes a river crossing by means of hanging the new pipe from an existing roadway bridge.

**Argonaut Avenue FWD Testing and Pavement Design | *Principal-in-Charge***  
*Rocklin, California*

NCE was retained by the City of Rocklin to evaluate alternative pavement designs for a portion of Argonaut Avenue that was scheduled to be reconstructed. There was concern about the high cost associated with reconstruction and potential impacts of wet subgrade clays that may be difficult to stabilize and attain desired compaction during construction of the road section. NCE performed non-destructive pavement deflection testing to evaluate if an overlay treatment is feasible, that would be less expensive and would minimize disturbance of potentially problematic subgrade soils. **NCE's pavement analysis and design resulted in an 11 inch Full Depth Reclamation of the existing pavement with a new 2.5" HMA overlay, which saved the City approx. \$150k in construction cost.**

**2010 NARS Roadway Rehabilitation and Utility Improvements | *Principal-in-Charge***  
*Sacramento County, California*

NCE was retained by the County of Sacramento to provide engineering services for the reconstruction of an access road and the municipal solid waste (MSW) handling area at the North Area Recovery Station (NARS), a municipal waste transfer station owned by Sacramento County Municipal Services Agency. The project included testing and coring of existing pavement, rehabilitation recommendations, and preparation of PS&E. The MSW handling area will be reconstructed with PCC pavement and the access road will be reconstructed with AC over AB. Other project features included the expansion of the MSW area, storm drain collection improvements, storm water quality improvements and upgrade of existing water lines.

**Donner Pass Road Preliminary Pavement Engineering Study | *Principal-in-Charge***  
*Nevada County, California*

NCE provided pavement evaluation and pavement design services for two portions of Donner Pass Road in Nevada County. The portion of Donner Pass Road that was the subject of this project is a 2-lane roadway, approximately 22 feet wide, with an approximate total length of 5.4 miles, a significant portion of it is underlain by PCC pavement. The project was divided into 2 segments; the western segment from Interstate 80 to the Nevada / Placer County boundary is approximately 2.4 miles long, and the eastern segment from the Nevada / Placer County boundary to the Truckee town limits is approximately 3 miles long. NCE assessed the current structural condition of Donner Pass Road and evaluated pavement rehabilitation methods, structural designs and maintenance schemes, and their related costs. The goal was to select an alternative, or a blend of alternatives, that can be implemented in the near future, or over time, that is cost effective to maintain and will last its projected serviceable life. The critical issues included understanding the construction of the existing roadway (AC and PCC pavement components, including pavement reinforcing fabric, and jointing and reinforcements of the PCC pavement), the remaining structural value in the pavement sections, and segmenting the roadway into like categories to allow for easy, cost effective, and possible phased implementation of effective pavement rehabilitation and future maintenance alternatives.

NCE performed pavement evaluation, deflection testing and pavement coring to determine the structural capacity of the pavement. In addition NCE performed ground penetrating radar to determine the presence of underlying PCC pavement and estimate its thickness. NCE provided pavement rehabilitation alternatives based on the findings and analysis and provided a life cycle cost analysis for the next 20 years including maintenance cost.

**Long-Term Jail Siting Study | *Engineering Geologist***  
*Orange County, California*

Engineering geologist during the assessment of five areas in the Santa Ana Mountains as part of an environmental impact report to assess the potential for the sites to be developed as a large jail facility. Concerns included the relationship of possible landslides, faults, geologic structure, and alluvium depths to proposed cut and fill slopes and proposed building locations.

**Low-Level Radioactive Waste Siting Repository Study | *Engineering Geologist***  
*San Bernardino County, California*

As part of the site evaluation for placement of a waste repository conducted an analysis of the vadose to understand to movement of water within the vadose zone and the potential for recharge to deep groundwater. Project included the design, construction and installation criteria for the placement of thermocouple psychrometers and tensiometers horizontally away from 6-foot-diameter, 40-foot-deep caisson for vadose-zone monitoring.

**Technical Feasibility Study | Engineering Geologist**  
*Lodi, California*

Prepared preliminary technical feasibility study evaluating potential subsurface geologic structures to complete a proposed injection well to receive brine wastes from the plant. Identified the Domengine sandstone at a depth of 3,000 feet, which is capped by overlying and underlying formations of lower permeability. Project included oversight during construction.

**Feasibility Study | Engineering Geologist**  
*Los Banos, California*

Conducted feasibility study to evaluate alternatives for a clean water supply to an elementary school with a chromium-contaminated well. Project included assessment of site geology and hydrogeology, and local and regional groundwater quality as well as an assessment of recharge and contamination sources within the recharge area. Alternatives included installation of a water treatment system and a deeper production well.

**Aquifer Performance Test | Engineering Geologist**  
*Lodi, California*

Conducted and evaluated 72-hour aquifer performance test to evaluate potential for vertical migration of high salinity water into deeper, uncontaminated aquifers. Project included performance of step tests to determine optimal pumping rates, and evaluation of data that included complex interference from surrounding domestic, irrigation, and industrial wells in a multilayered alluvial aquifer.

## Gregory L. Fasiano, P.G., CEM

### Principal Geologist

Mr. Fasiano has more than 32 years of experience as an environmental geologist acting primarily as a technical consultant and as program and project manager. He is currently managing the environmental on-call contracts with the City of Sacramento Economic Development Department (EDD), the City of Sacramento Department of Public Works (DOT) and the Sacramento Housing and Redevelopment Agency (SHRA). NCE acts as the lead civil designer for the annual road rehabilitation program for DOT and environmental consultant dealing with impaired properties and urban infill related efforts for EDD and SHRA. Mr. Fasiano has been managing and providing environmental engineering related services to northern California public and private sector clients since 1988 working directly with the regulatory community and negotiating work efforts on brownfield, urban in-fill redevelopment, and site closures on behalf of clients with the US Environmental Protection Agency (USEPA), California Department of Toxic Substances Control (DTSC), the California Regional Water Quality Control Board (RWQCB) and the various County Environmental Management Departments and Local Enforcement Agencies (LEAs).

Mr. Fasiano has designed and installed groundwater monitoring wells and extraction wells and systems, developed well sampling and maintenance programs, designed soil and groundwater sampling programs for organic and inorganic contaminants, conducted aquifer performance tests, and analyzed test data. He has performed subsurface hydrogeological studies for multiple-aquifer systems and prepared bid specifications for deep well monitoring for submission to state regulatory agencies. Mr. Fasiano is also experienced in geotechnical field studies, field testing, and construction inspection, and has performed site investigations for foundation, slope stability, and landslide studies. He has also provided expert witness testimony and has managed and provided technical advice for numerous projects involving third party review and litigation support for Potentially Responsible Parties (PRP) groups.

## Representative Projects

### Redevelopment

#### Dock's Area Project Infrastructure & Environmental Assessment / Project Manager Sacramento, CA

Project included an infrastructure assessment, a Phase I/Phase II Environmental Site assessment, and preparation of a human health risk assessment. Project specific needs included review of available data and mapping information, performing a detailed site area reconnaissance, and completing a detailed analysis of existing infrastructure including water, storm drain, sanitary sewer, combined sewer, natural gas, electrical power, telecommunications, fire flow, streets, and easements. The infrastructure assessment is one of the corner stones for development of approximately 50 acres of mostly undeveloped land along the Sacramento Riverfront.



### Education

B.S., Geology, 1984  
California State University, Chico, CA

Certificate in Hazardous Materials  
Management, 1988  
University of California, Davis, CA

### Registrations and Certifications

Professional Geologist - CA (# 5706)  
Certified Environmental Manager –  
NV (# 1884)  
Registered Geologist – WA (# 2273)  
Registered Hydrogeologist – WA (# 2273)  
Certificate in Hazardous Materials  
Management

### Affiliations

American Public Works Association  
CA Groundwater Resources Association  
Association of Groundwater Scientists and  
Engineers, NWWA  
APWA  
Society of Military Engineers (Sacramento  
Post)

### Joined NCE

2003

### Total Years of Experience

32 Years

Project also included the review of environmental site conditions of existing contaminated sites within the project footprint, Phase I & II site assessment and characterization, development of a human health risk assessment (HHRA), and assistance to the City and the City's planning consultant on the overall project design as it relates to the presence of the contaminated sites. In addition, using the data collected and the HHRA results, NCE lead efforts associated with obtaining approvals from the California Department of Toxic Substance Control (DTSC) on the conceptual Docks Area development plans. NCE also assisted and supported the City during their due diligence and procurement of the properties with the project. NCE also worked directly with the A&E development team on environmental clearances, Specific Plan support, development of the Facilities Plan, regulatory permitting, and assistance during land use planning to ensure the conceptual project design considered all existing environmental constraints at the site. Part of the Docks Area project includes an historic PG&E facility that utilizes an existing cap to contain residual contaminants left on the site by PG&E. The interactions with the DTSC, and the conceptual project design, had to consider the cap and the Land Use Covenants (LUC) associated with that site.

NCE also lead civil design efforts on the Phases I & II of the riverfront promenade (Phase I constructed in 2010) that will ultimately connect Old Sacramento to Miller Park.

#### **Regional Mall Re-Use - Dry Cleaner Groundwater Remedial Investigation / Feasibility Study / Project Manager** *Chico, CA*

Project Manager for site characterization and interim remedial activities at the North Valley Plaza Mall in Chico California at the site of a dry cleaning facility where previous site activities have impacted local groundwater resources with chlorinated solvents. The client consists of a "Client Group" of responsible parties. Environmental manager representatives from each of four large financial lending institutions have retained NCE to provide not only environmental engineering services, but also to act the project coordinator for the group and regulatory liaison with the lead agency (California Department of Toxic Substance Control (DTSC)).

The impacted groundwater plume covers an area of approximately 2 square miles, and has impacted three water bearing zones. The setting consists of mixed commercial and residential use. In addition, municipal water supply wells have been impacted by these contaminants, resulting in a locally charged and politically "hot bed" issue. The scope of work managed by Mr. Fasiano has included:

- Project management, planning and permitting services
- Regulatory negotiations and Work Plan development
- Drilling and geophysical logging
- Site characterization work including the installation of shallow and deep groundwater monitoring wells
- Operation of an existing Soil Vapor Extraction System as an Interim Remedial Measure
- Aquifer testing
- Routine groundwater monitoring and reporting
- Development of the scope of work for:
  - Remedial Alternatives Evaluation and Feasibility Study
  - Human Health Risk Assessment
  - Groundwater Modeling
  - Expansion of SVE system and operations and maintenance
  - Preparation of Remedial Action Plan
  - Preparation of a Remedial Design and Implementation Plan (RDIP)

#### **K Street Beautification & St. Rose of Lima Park Civil Design / Project Manager** *Sacramento, CA*

Project included an existing conditions infrastructure assessment, a limited Phase I environmental site assessment, relocation of a Regional Transit Light Rail Station, civil design and full plans, specifications and estimates for contractor bidding. Project specific needs included review of available data and mapping information, performing a detailed site area reconnaissance, and completing a detailed analysis of existing infrastructure including water, storm drain, sanitary sewer, combined sewer, natural gas, electrical, working closely with the prime architect, City and stakeholders. NCE, working directly with the A&E development team, provided the civil plans, specifications and estimates, and providing construction oversight for the project that was built in 2010.

**La Valentina, 7th & H Street, and Rio Linda Superblock Affordable Housing Projects for SHRA / Project Manager**  
*Sacramento, CA*

All three of these projects were similar in nature in that they would be considered urban in-fill brownfields type related efforts. NCE led the regulatory interaction on these projects with the Sacramento County Environmental Management Department (SCEMD). NCE provided Phase I, II & III environmental engineering services on each project. Remediation plans, specifications and estimates were developed on the La Valentina and Superblock projects and NCE provided oversight, confirmation sampling, and reporting on each. La Valentina remedial efforts were completed in 2010, receiving a No Further Action from the SCEMD, and a housing project has been constructed. Superblock remedial efforts were initiated in 2011 and will be completed in the 2014 -2015 timeframe. The 7th & H Street affordable housing project also received an NFA from the SCEMD for this site. NCE assisted SHRA during property acquisition (Phase I & II efforts), provided asbestos related surveying, abatement plans, and oversight and documentation during abatement, and assisted during construction with the permitting, removal and closure of an on-site underground storage tank during the construction of the affordable housing project at this site that was completed in 2012.

**Flying J Truck and Travel Plaza / Project Manager**  
*Corning, CA*

Project manager for the assessment, permitting and regulatory negotiations for redevelopment of an old truck stop for a national truck and travel plaza operator. An old abandoned contaminated truck stop was purchased plans to build a new truck stop. Redevelopment of the site required demolition of structures containing asbestos as well as an evaluation of an existing on-site groundwater monitoring well network of 28 wells. NCE provided engineering and environmental services before, during, and after construction of the new truck stop which was constructed and opened within 12 months of property acquisition. NCE also performed a remedial investigation associated with hydrocarbons and chlorinated solvents found in soil and groundwater beneath the site and off-site. NCE assisted in convincing the RWQCB to allow the development of the property accommodating the existing well network and allowing the property owner to conduct the follow on groundwater investigations after the facility was re-opened for business. Additionally NCE provided a drainage plan indicating pre- and post-construction drainage patterns and provided engineering services for the relocation of an irrigation water line transecting the site. Groundwater monitoring and reporting as well as the installation of new monitoring wells are additional tasks provided by NCE.

**Roadway**

**Street Overlay Projects / Project Manager**  
*Sacramento, CA*

As Client Service Manager, Mr. Fasiano works directly with the City DOT contact in scoping and costing the data collections and design considerations associated with the annual overlay projects, preparing the proposal and Form 10H submittals, discussing and incorporating revisions and amendments if needed, and coordinating NCE resources and staff to ensure timelines and commitments are on track and are deliverable deadline are met.

These projects included rehabilitation recommendations for arterial and collector sections throughout the City. The projects involve non-destructive pavement deflection testing, pavement coring, pavement condition surveys and base repair location. Following the collection of the field data, rehabilitative recommendations were made based on each street segment's structural integrity and performance, summarized in a report for the City. Some streets in the City's downtown area required extra consideration due to a patchwork of PCC and old railroad ties below the existing asphalt.

**Soil and Groundwater Remediation O&M**

**Red Bluff Burn Dump Remediation / Project Manager**  
*Tehama County, CA*

Project manager responsible for coordinating and managing all activities supporting the excavation, relocation, consolidation and capping of burned wastes a legacy burn dump site in Red Bluff, California. NCE facilitated all communications and negotiations with the regulatory agencies to bring the site into compliance. These efforts consisted of site characterization to define the waste limits that included geophysical surveys and trenching/sampling activities. NCE also led all permitting efforts that included CEQA compliance, 401/404 permitting, Water of the US determination, conducting a sensitive species survey, and compliance with the Clean Water Act. NCE was instrumental in securing funding from the CalRecycle to pay for the remedial activities that are currently estimated to be approximately \$750,000.

**Casmalia Hazardous Waste Management Facility / Project Manager**

### *Santa Barbara County, CA*

Project manager responsible for coordinating and managing all activities at the closed Casmalia Hazardous Waste Management Facility. Mr. Fasiano led a team performing operations and maintenance services at a former Class I hazardous waste disposal facility located in Santa Barbara County, California. He provided these services for a RP Group consisting of several Fortune 500 companies working directly under the oversight of the USEPA. Project activities include:

- Maintenance and management of 252+ acre former Class I Hazardous Waste Management Facility (Casmalia Hazardous Waste Management Facility). This is a recently listed NPL site regulated under CERCLA with oversight from USEPA Region 9
- 24 hours a day operations and maintenance of large groundwater and landfill leachate extraction, storage and treatment system.
- 24 hours a day operation and maintenance of perimeter source control extraction facilities up-gradient of cut-off walls in each of three major site drainages.
- Maintenance of newly installed landfill caps.
- Monitoring, reporting and maintenance of 300+ groundwater monitoring well network
- Management of storm-water collection and control surface impoundment's.
- Responsible for assisting with regulatory negotiations, permitting, and reporting under CERCLA with the following agencies:
  - U.S. EPA Region IX
  - California Regional Water Quality Control Board – Central Coast Region
  - California Department of Toxic Substances Control
  - Santa Barbara County

Mr. Fasiano has written and submitted numerous compliance related technical documents associated with the operations of the treatment system and the groundwater monitoring and that is required. In addition, he has written the O&M manual for the existing landfill cap and is performing the prescribed maintenance activities. He has performed the data management of all the meteorological, surface water and groundwater quality data for the site. He assisted in developing, planning, and writing the Remedial Investigation and Feasibility Study (RI/FS) Work Plan for this site that was submitted to the USEPA. Major components of the Work Plan that were developed included human health and ecological-risk assessment efforts, further definition of both soil and groundwater impacts, groundwater modeling, and the evaluation of the efficacy of the interim soil removal and liquids extraction activities that had been conducted at the site.

### **RI/FS and RD/RA Design/Build | Project Manager**

*Sacramento, CA*

Project manager for soil vapor extraction system to remove chlorinated solvents from soil and groundwater at the Continental Chemical formulation facility in Sacramento. Managed the operations and maintenance of this system. Mr. Fasiano managed the remedial investigation for this site, which included soil gas surveys, soil and groundwater sampling resulting in ultimate approval from the lead regulatory agency for the installation and operation of the interim SVE system.

### **RI/FS and RD/RA diesel soil and groundwater remediation at Mercy General Hospital | Project Manager**

*Sacramento, CA*

Project manager at a site where an estimated 13,000 gallons of diesel fuel leaked into the subsurface on a hospital campus adjacent to an elementary school. The investigation consisted of cone penetrometer testing, hydropunch sampling, drilling and sampling soil borings and monitoring wells. Mr. Fasiano managed the design/build phase of the construction of the treatment system at this site which includes bioventing, nutrient enriched injection of water into the center of the plume through five injection wells, groundwater extraction from the perimeter of the plume using six extraction wells and associated effluent treatment systems. Because of the high profile nature of this project, and the many nearby sensitive receptors, Mr. Fasiano was required to lead several public meetings to educate the community and concerned parents of the problem and proposed treatment technologies that were to be employed. Mr. Fasiano managed the operations and maintenance of this system for 2 years. The system effectively removed contaminants from both soil and groundwater and met cleanup objectives. A No Further Action letter was issued by the regulatory agency.

## **Restoration**

### **Prichard Lake Wetland Restoration – Sacramento International Airport** / *Project Manager* *Sacramento, CA*

Project manager to the Sacramento County Building Design Division and Sacramento County Department of Airports on a fast-track wetland restoration project at Sacramento International Airport. The project consisted of assistance with regulatory negotiations and project scoping to assess the limits of wetland features, assess fill materials that had been placed in these areas, obtain appropriate environmental permits, and provide engineering design and construction to remove the fill materials and restore the wetland feature. The scope of work was performed to satisfy and specifically address the requirements of the California Regional Water Quality Control Board, Central Valley Region (Regional Board). Other regulatory agencies with oversight responsibilities included the United States Fish and Wildlife Service (USF&WS), the United States Army Corps of Engineers (USCOE), and the California Department of Fish and Game (CDF&G). The site was identified as Giant Garter Snake Habitat. The project schedule required completion of site fill removal activities and restoration by October in order to coincide with the hibernation period of the Giant Garter Snake. NCE also provided post construction water quality monitoring services at the site.

### **Waste Characterization and Wastewater Pond Closure** / *Project Manager* *Davis, CA*

Project manager during turnkey closure and restoration of six wastewater ponds located at a former hospital in the Central Valley of California. The six ponds encompassed greater than 2 acres and were used for the disposal of raw sewage from the hospital. A work plan was developed that was approved by the RWQCB to assess the characteristics and volume sludge, waste, and impacted soil within and beneath the ponds. The characteristic assessment included evaluating the soluble concentrations of metals and other contaminants to develop cleanup goals that were protective of groundwater. Based on the field assessment, an approach to closure was developed that included a sensitive species survey, removal of the sludge and upper soil layers, demolition of the pond berms, and placement of engineered fill and regarding and re-vegetation of the pond surface such that surface water drains from the surface to minimize infiltration.

### **Pond Closure and Waste Characterization Investigation** / *Project Manager* *Stockton, CA*

Provided Quality Assurance and Quality Control management activities for closure and demolition of a wastewater pond for a chemical plant in Stockton, California. Project included the installation of a pond cover to prevent winter rains from filling, and subsequent use of the cover as part of an innovative method for evaporation of the water. Project included development of closure criteria and cleanup goals for the sludge, remaining pond water, and soil, regarding and re-vegetation. Project also included the designed investigation to characterize pond water, sludge, and effluent. Pond was slated for closure by the California Regional Water Quality Control Board as required under the Toxic Pits Closure Act (TPCA). Investigation was designed to evaluate the waste characteristics in an attempt to remove the pond from the TPCA program. Project included working directly with the California Environmental Protection Department - Alternative Technologies Division's concurrence program.

## **Property Acquisition & Facility Compliance Auditing**

Environmental studies, various locations, Central Valley, California and Northern Nevada- Managed over 100 Phase I Site Assessments. Studies were typically conducted for buyers of industrial, commercial, or residential property. Reports were designed to provide information on the extent of environmental liability associated with property purchase and/or financing. Documents include evaluation of environmental risk, based primarily on information from regulatory agencies, deeds, and reconnaissance surveys.

### **Environmental Compliance Auditing – California Truck and Travel Plazas** / *Project Manager* *Various Locations throughout California*

Project manager for the development of facility specific environmental compliance checklist and performing compliance audits associated with UST fueling systems, wastewater, stormwater, hazardous materials and water supply for six large California truck and travel plazas.

**Phase I, Phase II, Environmental Compliance and OSHA Audits, Facility Acquisition Due Diligence | Project Manager**

*Catholic Healthcare West, Western United States*

Project manager responsible for Phase I and Phase II assessments, coordination of environmental compliance and OSHA audits for major hospital in conjunction with due diligence process for acquisitions. Project included evaluation of wastewater, waste handling procedures and air emissions, to check compliance with new regulations.

**Gasoline Leak Investigations and Site Characterizations | Project Manager**

*Throughout California*

Project manager responsible for sensitive receptor surveys, initial auditing of systems and site characterization of 33 northern California Texaco gasoline stations. Developed work plan and auditing checklist, implemented field work, and completed preliminary reports for each site. Managed complete site characterization and remediation at 17 of the 33 gasoline stations.

**Gap Analysis and Environmental System Management Development | Program Manager**

*Catholic Healthcare West, Western States*

Program manager for the development and implementation of a corporate-wide EMS for 38 Hospital Healthcare System. Project included the development of a standardized auditing checklist and reporting format which resulted in the ultimate decentralized compliance management by individual facilities' staff. Compliance information rolled up to corporate environmental manager and captured in a web-based database management application

NCE staff provided program management and coordination for a major healthcare provider (annual revenues over \$2 billion), during the development of an Environmental Management System (EMS) to meet the requirements of the client, ISO 1400, and the Coalition of Environmentally Responsible Economies (CERES). CERES is a group of national and multinational companies that have adopted a core set of environmental principles. Representative member companies include Amoco, The Sun Oil Company, and Polaroid. The project included a gap analysis of the client's current EMS, analysis of environmental aspects and impacts, a baseline facility compliance audit, and an implementation plan to bring the new EMS into full use. The entire EMS was focused around the Client's need to improve service to their clients while reducing costs, and at the same time meeting and exceeding environmental regulations in a more efficient manner. Emphasis was placed on reducing paperwork and streamlining reports and other interactions with regulators. Emphasis was also placed on waste minimization through process changes instead of "end-of-the pipe controls. Cost-effective uses were then found for waste streams that could not be eliminated.

The project involved close coordination and consensus building between the many parties involved, including facility managers, upper management and staff, with the eventual product having the agreement and buy in of all parties from corporate down to the various staff departments and field facilities.

**Facility Operations, OSHA and Environmental Compliance Auditing, Catholic Healthcare West | Program Manager**  
*Western States*

Program Manager for a fast turn-a-round environmental and OSHA compliance auditing of 20 hospitals. Worked closely with internal counsel, risk managers, facility and corporate administration and facility engineering departments to deliver project. Developed a scope of work that included the summary and quantification of level of effort, and potential fines/penalties associated with bringing facilities into full compliance. In addition, NCE staff was responsible for the coordination of efforts with corporate entity, outside counsel, facilities administration and engineering, and risk management departments.

NCE staff provided program and project management for facility operations, OSHA, and environmental comprehensive compliance auditing of 20 full service hospitals as part of a due diligence effort prior to affiliation. The NCE program manager coordinated the logistics and resources that were required to access the facilities, meet with both administrative and engineering contacts, perform the audits and report on findings in a two month time period. Specific technical issues addressed in the audits included Joint Commission on Accreditation of Healthcare Organizations – Plant, technology, and Safety Management compliance, air emission, water discharges, hazardous waste disposal, underground and above ground storage tanks, polychlorinated biphenyls, chemical inventories, drinking water, OSHA compliance and inspections, accident and workers compensation claims history, and environmental safety and health records.

## **Site Characterization/Soil and Groundwater Investigation**

### **RI/FS and RA, Merced Municipal Airport / Project Manager**

*Merced, CA*

Project manager responsible for coordinating remedial investigation and feasibility study at former crop dusting staging area and fire training area. Remedial investigation included geophysical surveys, and soil and groundwater sampling for delineation of pesticides, hydrocarbons and chlorinated solvents in soil and groundwater. Project included performance of a Human Health Risk Assessment to establish Target Cleanup Levels (TCLs) and conducting a soil treatability pilot study using Low Temperature Thermal Desorption (LTTD) to remediate pesticide contaminated soils. Managed preparation of bid plans and specifications for the capping of pesticide impacted soils. Capping activities have been completed with Mr. Fasiano providing oversight and construction quality control.

### **Waste Characterization and Wastewater Pond Closure / Project Manager**

*Davis, CA*

Project manager during turnkey closure and restoration of six wastewater ponds located at a former hospital in the Central Valley of California. The six ponds encompassed greater than 2 acres and were used for the disposal of raw sewage from the hospital. A work plan was developed that was approved by the RWQCB to assess the characteristics and volume sludge, waste, and impacted soil within and beneath the ponds. Based on the field assessment, an approach to closure was developed that included a sensitive species survey, removal of the sludge and upper soil layers, demolition of the pond berms, and placement of engineered fill and regarding and re-vegetation of the pond surface such that surface water drains from the surface to minimize infiltration.

### **TPCA Pond/Solvent Migration Investigation / Technical Review/QC**

*Tracy, CA*

Managed investigation to evaluate lateral and vertical extent of impacted groundwater and soil associated with a TPCA pond at a major railroad facility. Investigation also included an evaluation of the lateral and vertical extent of an approximately 1-mile-long solvent-impacted groundwater plume. Investigative techniques included the use of Hydropunch, soil gas surveys, and the installation of simple and multiple-cased monitoring wells.

### **UST Investigations and Monitoring / Project Manager**

*Bay Area, CA*

Provided project scoping and coordination of work plans and site investigation and monitoring activities associated with releases from UST's at several Bay Area 7-11 facilities. Projects included the preparation of work plans to facilitate permitting and the drilling and installation of groundwater monitoring wells. Routine groundwater monitoring and reporting was also conducted in these sites.

### **Railyard Remedial Investigations / Project Manager**

*Placerville, Sacramento and Santa Ana, CA*

Managed investigation to evaluate the lateral and vertical extent of impacted soil and groundwater associated with previous railroad facilities. Phase II investigations included installation of groundwater monitoring wells and soil borings to evaluate potential petroleum hydrocarbon, chlorinated solvents and heavy metals impacts in areas of concern identified in the Phase I survey.

### **Multidisciplinary Project / Program Sponsor**

*Beale Air Force Base, CA*

Program sponsor for multidisciplinary \$4.5 million contract at Beale AFB, California. Representative tasking performed under the contract includes preparation of Closure and Post-Closure Maintenance Plans for Landfills 2 and 3, Preparation of Plans and Specifications for the closure of the landfills, construction inspection, preparation of an Air Toxics Inventory Report for the base, preparation of a Basewide comprehensive plan environmental assessment and a cultural resources management plan, design of replacement underground storage tanks for an AFEE's gas station, indoor air quality testing, investigation of offsite groundwater containing trichloroethene, and bioventing pilot studies at three sites. Responsibilities included maintaining task schedules and budgets, quality control, and customer satisfaction.

**Remedial investigation, ARCO Bulk Terminal / Project Manager**  
*Port of Stockton, CA*

Project manager for hydrogeologic characterization at bulk fuel distribution facility. Developed sampling program to determine both lateral and vertical extent of hydrocarbons in soil and groundwater in complex, multi-aquifer system exhibiting downward gradients. Coordinated several offices and disciplines in an effort to design remedial systems that could be constructed during the facility rebuild. Groundwater treatment system designed to isolate site from adjacent hydrocarbon-impacted properties.

**Preliminary Endangerment Assessment / Project Manager**  
*Sacramento, CA*

Project manager responsible for remediation of approximately 500 cubic yards of soils impacted with lead and diesel fuel. Project included a risk assessment, determination of target cleanup levels, and preparation of Preliminary Endangerment Assessment. The PEA was submitted to the Department of Health Services to facilitate removal of the site from various regulatory agency lists. Provided expert testimony for responsible party during litigation. Property was redeveloped and currently includes retail buildings.

**Multidisciplinary Project / Project Consultant**  
*Food Processor Facilities, CA*

Project consultant for major food processor in California. Projects have included waste disposal investigations, asbestos and lead paint evaluations, CEQA permitting of wastewater to land disposal, underground storage tank investigations and closure, groundwater investigation associated with former wastewater disposal practices, and design and construction of wastewater management systems. Responsibilities included maintaining task schedules and budgets, quality control, and customer satisfaction.

**Safety Kleen Hazardous Waste Storage Facility (RCRA), Underground Storage Tank Replacement and Investigation / Project Manager**  
*Salida, CA*

Project manager responsible for coordination of permitting, pre-drill of tank area for waste profiling purposes, oversight of tank removal and replacement activities, excavation of impacted soils, and contamination investigation of RCRA storage facility. Assessment and interim remedial activities included soil-gas surveys, soil and groundwater sampling and analyses, soil vapor extraction (SVE), pilot studies and design, and implementation of SVE.

**Caterpillar Inc. Remedial Investigation and Feasibility Study / Project Geologist**  
*San Leandro, CA*

Project geologist responsible for all onsite operations dealing with contaminated groundwater plume delineation, and excavation of approximately 20,000 cubic yards of contaminated soils at a manufacturing facility. Responsible for extensive onsite soil gas investigation, oversight during excavation and bioremediation activities.

**Site Characterization and Feasibility Study / Project Manager**  
*Fort Ord, CA*

Project manager for site characterization, data validation and feasibility study at a helicopter maintenance and fueling facility, aircraft cannibalization yard, and former wastewater treatment plant on a beach area at Monterey Bay. Projects included soil-gas surveys, drilling and sampling, and remedial alternatives evaluation, and report preparation associated with five wash aprons/fueling facilities.

**Site Characterization / Project Manager**  
*Travis AFB, CA*

Project manager for assessment activities to delineate the lateral and vertical extent of landfilled debris at a construction debris landfill within several wastewater treatment ponds. Project included detailed background study, trenching and sampling, hydropunch sampling and surface sampling following U.S. Army Corps of Engineers data collection and validation protocol.

**Aerial Pesticide Application Facilities – CA Phase II Soil and Groundwater Investigation / Project Geologist**  
*Central Valley, CA*

Project geologist responsible for developing and implementing groundwater contamination investigation in vicinity of several aerial pesticide application facilities. Responsible for developing field investigation work plans for pesticide and chlorinated solvent contamination as well as soil and groundwater. Conducted near-surface soil sampling, well installation and sampling, and prepared a written report.

**National Park Service Telephone Pole Treating Facility / Project Manager**  
*Susanville, CA*

Project manager responsible for contract negotiations, site characterization work plan, telephone development, implementing regulatory negotiations, and public relations for former telephone pole treating facility. Diesel fuel, pentachlorophenol (PCP), and dioxins are present in both soil and groundwater at the site.

**Preliminary Endangerment Assessment, Empire Mine State Historic Park / Project Manager**  
*National Park Service, Grass Valley, CA*

Project manager responsible for development and implementation of a field investigation design to characterize levels of lead, arsenic, mercury, and cyanide in mill tailings, native soils, and nearby stream water within the Empire Mine State Park. The investigation also included implementation of an air sampling program intended to assess levels of these metals in respirable (PM10) air particulates. Project has required close coordination with the California EPA.

**Article 5 Evaluation Monitoring Project / Project Consultant**  
*Davis, CA*

Project consultant and QA/QC officer during the design and implementation of an evaluation monitoring program for the University of California - Davis campus landfill. Project included assessment of the lateral and vertical extent of volatile organic compounds in both soil and groundwater, and the assessment of the lateral and vertical extent of inorganic compounds in groundwater. Project highlights included pre-design of the groundwater extraction system to identify the location of possible remedial action extraction wells. Dual purpose extraction/monitoring wells were installed those locations which significantly reduced the number of monitoring wells required for the program. Each well installation included the design and installation pumping equipment for groundwater sampling.

**Additional Investigations**

**Preliminary Endangerment Assessment, Closure and Post Closure Maintenance Plan / Project Manager**  
*Yosemite, CA*

Project manager responsible for activities associated with a Preliminary Endangerment Assessment (PEA) for an abandoned burn dump and for development of the closure plan. Subsequently managed the civil design of the re-use of the property which was redeveloped with waste management and collection structures placed over the closed site.

Preparation of Quality Assurance Project Plan, Fort Hunter Liggett, California - Task manager responsible for preparation of Quality Assurance Project Plan (QAPP) for remedial investigation at 10 sites at Fort Hunter Liggett, California. QAPP incorporated all sampling and investigation protocol and procedures, including analytical program and validation following U.S. Army Corps of Engineers Chemical Data Acquisition Plan (CDAP) requirements.

**Aquifer Performance Test / Project Manager**  
*Sacramento, CA*

Conducted and evaluated 72-hour aquifer performance test to determine design parameters for a free product recovery and groundwater pump and treat system at a diesel leak site. Project included performance of step tests to determine optimal pumping rates, installation of piezometers in shallow and deep water boring zones, and evaluation of data which included interference from significant recharge to the shallow system and domestic pumping from a deeper zone.

**Indoor air quality studies, Mercy Healthcare Sacramento / Project Manager**  
*Sacramento, CA*

Project manager responsible for scoping and conducting indoor air quality studies at area major hospitals. Worked closely with certified industrial hygienist in conducting evaluation which included air monitoring and sampling, employee dosimetry testing for anesthetic gases, review of all material safety data sheets for facility, evaluation of HVAC system, interviewing employees and presenting results at many public and staff meetings.

## Training

- EPA forty-hour health and safety training
- EPA 8-hour supervisors training
- Annual 8-hour Refresher (current)
- Groundwater Pollution and Hydrology, Princeton University, 1991
- Certificate of Training, Forty-hour training program, Solid Waste Management, Harding Lawson Associates (HLA) 1989
- Graduate Courses, Environmental Management and Hazardous Materials Management, University of California, Davis, 1988 - 1995
- Modeling Contaminant Fate and Transport in Groundwater, University of California, Berkeley, 1987
- Road Ecology, UC Davis Extension, 2005

## **APPENDIX E**

### **ADDITIONAL DOCUMENTATION (VAPOR ENCROACHMENT SCREENING MATRIX, PRELIMINARY TITLE REPORT, AND ROE AGREEMENT)**

## Vapor Encroachment Screening Matrix

Phase I ESA Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern Test (COC), and (3) a Critical Distance Test [1].

**(1) Search Radius Test:** Are there any known or suspect contaminated properties in the primary area of concern within the corresponding search radii (including the site)?

☒ Yes ☐ No If *No*, then screening for VEC is complete and no VEC currently exists, go to #4. If *Yes*, then:

**(2) Chemicals of Concern Test:** Are COC likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

☒ Yes ☐ No If *No*, then screening for a VEC is complete and no VEC currently exists, go to #4. If *Yes*, then:

**(3) Critical Distance Test\*:** A plume test to determine whether or not COC in the contaminated plume(s) may be within the critical distance.

☐ Yes ☒ No (3a) Is information related to the contaminated(s) plume available (i.e., isoconcentration maps, site drawings, etc.)?  
☐ Yes ☐ No (3b) If *No*, then a VEC cannot be ruled out; check *Yes* in #4 below indicating it is likely a VEC exists. If *Yes*, then:  
☐ Yes ☐ No (3c) Is the site less than 100-feet to the nearest edge of a contaminated (non-petroleum hydrocarbon) plume(s)? If *Yes*, then check *Yes* in #4 below indicating it is likely a VEC exists.  
☐ Yes ☐ No (3d) Is the site less than 30-feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? if *Yes*, then in #4 below indicating it is likely a VEC exists.

\*If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100-feet for non-petroleum hydrocarbon COC, or less than 30-feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC currently exists beneath the Site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100-feet for non-petroleum hydrocarbons, or 30-feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC *currently* exists beneath the Site.

**(4) Is it likely that a VEC currently exists beneath the Site?**

☒ Yes ☐ No If *No*, then the VEC screening is complete and no further investigation is recommended at this time. If *Yes*, NCE recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E2600-10.

## EXHIBIT A

The land referred to is situated in the unincorporated area of the County of Santa Clara, State of California, and is described as follows:

### PARCEL ONE:

Subdivision No. 1 of Lot No. 145-A of the San Martin Ranch, as laid down and delineated on San Martin Ranch Map No. 3, on file in the Office of the County Recorder of the County of Santa Clara, State of California, in Map Book "G", Page 69, of said Records of said County.

EXCEPTING THEREFROM that portion described in the Deed to Santa Clara County Flood Control and Water District, State of California, recorded October 21, 1969, in Book 8708, at Page 548, Official Records.

APN: 825-12-017

### PARCEL TWO:

All that portion of Subdivision "B" of Lot 144, as shown upon that certain Map entitled, "San Martin Ranch Map No. 3, being C.H. Phillips Re-Subdivision of Lots 68 to 107 inclusive, and 132 to 168 inclusive of San Martin Ranch Map No. 2, as recorded in Book "G" of Maps, Pages 38 and 39, Santa Clara County Records", and which said Map was filed for record in the Office of the Recorder of the County of Santa Clara, State of California on June 8, 1893 in Book "G" of Maps, at Page 69, and more particularly described as follows:

Beginning at a point in the centerline of Sycamore Avenue at the common corner for Lots 144B, 145A, 137D and 138B, as said Avenue and Lots are shown upon the Map mentioned above; thence North 66° 11' East along the Southeasterly line of said Subdivision "B" of Lot 144, for a distance of 642.18 feet, more or less, to the Southwesterly corner of that certain parcel of land described in the Deed dated November 19, 1943 and recorded December 13, 1943 in Book 1182 of Official Records, Page 30, from George Dowling, et ux, to Herman M. Reif, a single man, said point also being on the Easterly line of a Creek running through said property; thence in a Northerly direction along the Westerly line of the land conveyed to said Herman M. Reif, and along the Easterly bank of said creek, the following courses and distances, to wit: North 15° 55' East, 73.26 feet; North 10° 10' West, 85.14 feet; and North 20° 56' West, 140.895 feet more or less, to a point on the Northwesterly line of the Southeasterly one-half of said Subdivision "B" of Lot 144; thence South 66° 11' West, 735.00 feet, more or less, to a point in the centerline of said Sycamore Avenue; thence South 23° 49' East along said centerline 264.00 feet, to the point of beginning.

APN: 825-12-019



224 Airport Parkway, Suite 170  
San Jose, CA 95110  
(408) 557-8400 Fax: (408) 249-2314

## PRELIMINARY REPORT

SANTA CLARA VALLEY WATER DISTRICT  
5750 ALMADEN EXPRESSWAY  
SAN JOSE, CA 95118

Attention: FERNANDO MUNOZ

### FIRST AMENDED REPORT

Our Order Number 0616011246-RR

Customer Reference 5037-54

When Replying Please Contact:

Randy Romriell  
(408) 557-8400

Buyer:

SANTA CLARA VALLEY WATER DISTRICT

Property Address:

Vacant land commonly known as APN: 825-12-017 and Improved land 12280 Sycamore Avenue, San Martin, CA 95046  
[Unincorporated area of Santa Clara County]

In response to the above referenced application for a policy of title insurance, OLD REPUBLIC TITLE COMPANY, as issuing Agent of Old Republic National Title Insurance Company, hereby reports that it is prepared to issue, or cause to be issued, as of the date hereof, a Policy or Policies of Title Insurance describing the land and the estate or interest therein hereinafter set forth, insuring against loss which may be sustained by reason of any defect, lien or encumbrance not shown or referred to as an Exception below or not excluded from coverage pursuant to the printed Schedules, Conditions and Stipulations of said policy forms.

The printed Exceptions and Exclusions from the coverage and Limitations on Covered Risks of said Policy or Policies are set forth in Exhibit I attached. The policy to be issued may contain an arbitration clause. When the Amount of Insurance is less than that set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. Limitations on Covered Risks applicable to the Homeowner's Policy of Title Insurance which establish a Deductible Amount and a Maximum Dollar Limit of Liability for certain coverages are also set forth in Exhibit I. Copies of the Policy forms should be read. They are available from the office which issued this report.

**Please read the exceptions shown or referred to below and the exceptions and exclusions set forth in Exhibit I of this report carefully. The exceptions and exclusions are meant to provide you with notice of matters which are not covered under the terms of the title insurance policy and should be carefully considered.**

**It is important to note that this preliminary report is not a written representation as to the condition of title and may not list all liens, defects, and encumbrances affecting title to the land.**

This report (and any supplements or amendments hereto) is issued solely for the purpose of facilitating the issuance of a policy of title insurance and no liability is assumed hereby. If it is desired that liability be assumed prior to the issuance of a policy of title insurance, a Binder or Commitment should be requested.

Dated as of October 2, 2015, at 7:30 AM

**OLD REPUBLIC TITLE COMPANY**  
For Exceptions Shown or Referred to, See Attached

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

The form of policy of title insurance contemplated by this report is:

CLTA Standard Coverage Policy -1990. A specific request should be made if another form or additional coverage is desired.

The estate or interest in the land hereinafter described or referred or covered by this Report is:

Fee

Title to said estate or interest at the date hereof is vested in:

Leona M. Reif, as Trustee of the Reif Family Trust dated September 2, 1997, as to Parcel One and Leona Reif, as Trustee of the Reif Living Trust dated July 25, 1988, as to Parcel Two

The land referred to in this Report is situated in the unincorporated area of the County of Santa Clara, State of California, and is described as follows:

**PARCEL ONE:**

Subdivision No. 1 of Lot No. 145-A of the San Martin Ranch, as laid down and delineated on San Martin Ranch Map No. 3, on file in the Office of the County Recorder of the County of Santa Clara, State of California, in Map Book "G", Page 69, of said Records of said County.

EXCEPTING THEREFROM that portion described in the Deed to Santa Clara County Flood Control and Water District, State of California, recorded October 21, 1969, in Book 8708, at Page 548, Official Records.

APN: 825-12-017

**PARCEL TWO:**

All that portion of Subdivision "B" of Lot 144, as shown upon that certain Map entitled, "San Martin Ranch Map No. 3, being C.H. Phillips Re-Subdivision of Lots 68 to 107 inclusive, and 132 to 168 inclusive of San Martin Ranch Map No. 2, as recorded in Book "G" of Maps, Pages 38 and 39, Santa Clara County Records", and which said Map was filed for record in the Office of the Recorder of the County of Santa Clara, State of California on June 8, 1893 in Book "G" of Maps, at Page 69, and more particularly described as follows:

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OLD REPUBLIC TITLE COMPANY  
ORDER NO. 0616011246-RR  
FIRST AMENDED REPORT

APN: 825-12-019

At the date hereof exceptions to coverage in addition to the Exceptions and Exclusions in said policy form would be as follows:

1. Taxes and assessments, general and special, for the fiscal year 2015 - 2016, as follows:

Assessor's Parcel No	:	825-12-017	
Code No.	:	087-002	
1st Installment	:	\$266.86	NOT Marked Paid
2nd Installment	:	\$266.86	NOT Marked Paid
Land Value	:	\$34,319.00	

2. Any special tax which is now a lien and that may be levied within the Library JPA CFD 2013-1 Mello Roos, a notice(s) for which having been recorded.

NOTE: Among other things, there are provisions in said Notice for a special tax to be levied annually, the amounts of which are to be added to and collected with the property taxes.

NOTE: The current annual amount levied against this land is \$67.30.

3. Taxes and assessments, general and special, for the fiscal year 2015 - 2016, as follows:

Assessor's Parcel No	:	825-12-019	
Code No.	:	087-002	
1st Installment	:	\$623.54	NOT Marked Paid
2nd Installment	:	\$623.54	NOT Marked Paid
Land Value	:	\$49,000.00	
Imp. Value	:	\$51,687.00	
Exemption	:	\$7,000.00	Homeowner's

4. Any special tax which is now a lien and that may be levied within the Library JPA CFD 2013-1 Mello Roos, a notice(s) for which having been recorded.

NOTE: Among other things, there are provisions in said Notice for a special tax to be levied annually, the amounts of which are to be added to and collected with the property taxes.

NOTE: The current annual amount levied against this land is \$33.66.

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

5. The lien of supplemental taxes, if any, assessed pursuant to the provisions of Section 75, et seq., of the Revenue and Taxation Code of the State of California.

6. Water rights, claims or title to water, whether or not shown by the public records.

7. An easement affecting that portion of said land and for the purposes stated herein and incidental purposes as provided in the following

Instrument : Easement Deed  
Granted To : Santa Clara County Flood Control and Water District  
For : An easement to cut and fill slope and drainage purposes  
Dated : February 25, 1970  
Recorded : [March 24, 1970 in Book 8868 of Official Records, Page 100 under Recorder's Serial Number 3781398](#)  
Affects : As described therein

8. Williamson Act – Land Conservation contract, as follows:

City/County : County of Santa Clara  
Landowner : George C. Reif  
Recorded : [February 23, 1972 in Book 9713 of Official Records, Page 339](#)  
Contract/File No : 72.008-001

Said matters affect Parcel Two and other property

9. Williamson Act – Land Conservation contract, as follows:

City/County : Santa Clara County  
Landowner : Herman Reif  
Recorded : [February 23, 1972 in Book 9713 of Official Records, Page 360 under Recorder's Serial Number 4198282](#)  
Contract/File No : 72.010-001

Said matters affect Parcel One

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

10. A Notice as follows:

Entitled : Notice of Zoning Violation  
By : County of Santa Clara  
Dated : July 7, 1999  
Recorded : [July 8, 1999 in Official Records under Recorder's Serial Number 14886653](#)  
  
Returned to  
Address : Office of Zoning Administration, 70 West Hedding Street, 7th Floor,  
San Jose, CA 95110  
  
Which Among  
Other Things  
Provides : Disabled vehicle storage

11. Terms and conditions contained in the Reif Family Trust dated September 2, 1997 as disclosed by Amended Settling Final Account and Report of Executor and Petition for Settlement, for Allowance of Attorneys Fees for Ordinary Services, and for Final Distribution.

Recorded [May 22, 1992 in Official Records under Recorder's Serial Number 113742723](#)

The requirement that:

A Certification of Trust be furnished in accordance with Probate Code Section 18100.5; and

If the acting trustee is a successor trustee the additional requirement the Company is provided a complete copy of the trust, with all amendments and any intervening trustee is no longer acting in that capacity by providing copies of resignation letters, etc.

The Company reserves the right to make additional exceptions and/or requirements upon review of the above.

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

12. Terms and conditions contained in the Reif Living Trust dated July 25, 1988 as disclosed by Amended Settling Final Account and Report of Executor and Petition for Settlement, for Allowance of Attorneys Fees for Ordinary Services, and for Final Distribution.

Recorded                      [May 22, 1992 in Official Records under Recorder's Serial Number 113742723](#)

The requirement that:

A Certification of Trust be furnished in accordance with Probate Code Section 18100.5; and

If the acting trustee is a successor trustee the additional requirement the Company is provided a complete copy of the trust, with all amendments and any intervening trustee is no longer acting in that capacity by providing copies of resignation letters, etc.

The Company reserves the right to make additional exceptions and/or requirements upon review of the above.

13. Terms and conditions contained in the Reif Living Trust, dated July 25, 1988, Trust "B" as disclosed by Amended Order Settling Final Account and Report of Executor and Petition for Settlement, for Allowance of Attorneys Fees for Ordinary Services, and for Final Distribution

Recorded                      :    [May 22, 1992 in Official Records under Recorder's Serial Number 11374723](#)

NOTE: The requirement that:

A Certification of Trust be furnished in accordance with Probate Code Section 18100.5

The Company reserves the right to make additional exceptions and/or requirements.

14. Terms and conditions contained in the Reif Family Trust dated September 2, 1997 as disclosed by Correctory Deed

Dated                                :    January 31, 2000

Recorded                        :    [May 2, 2000 in Official Records under Recorder's Serial Number 15233143](#)

NOTE: The requirement that:

A Certification of Trust be furnished in accordance with Probate Code Section 18100.5

The Company reserves the right to make additional exceptions and/or requirements.

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

15. Any claim of lien for services, labor or material arising from an improvement or work under construction or completed at the date hereof.

**----- Informational Notes -----**

- A. The applicable rate(s) for the policy(s) being offered by this report or commitment appears to be section(s) 1.1.

- B. NOTE: The last recorded transfer or agreement to transfer the land described herein is as follows:

Instrument

Entitled : Correctory Deed

By/From : Leona M. Reif, as Trustee of the Reif Living Trust, dated July 25, 1988, Trust "B"

To : Leona M. Reif, as Trustee of the Reif Family Trust dated September 2, 1997

Dated : January 31, 2000

Recorded : [May 2, 2000 in Official Records under Recorder's Serial Number 15233143](#)

Said matters affect Parcel One

Amended Settling Final Account and Report of Executor and Petition for Settlement, for Allowance of Attorneys Fees for Ordinary Services, and for Final Distribuion executed by Herman M. Reif, decedent to Leona Reif, as Trustee of the Reif Living Trust dated July 25, 1988 recorded [May 22, 1992 in Official Records under Recorder's Serial Number 11374723](#).

Said matters affect Parcel Two

- C. All transactions that close on or after March 1, 2015 will include a \$20.00 minimum recording service fee, plus actual charges required by the County Recorder.

O.N.

CL

Update I

CS/eb

**OLD REPUBLIC TITLE COMPANY**

**ORDER NO. 0616011246-RR**

**FIRST AMENDED REPORT**

If you anticipate having funds wired to Old Republic Title Company, our wiring information is as follows: Comerica Bank, 2015 Manhattan Beach Blvd., Redondo Beach, CA 90278, credit to the account of Old Republic Title Company, Account Number 1892529965, ABA Number 121137522.

When instructing the financial institution to wire funds, it is very important that you reference Old Republic Title's Order Number 0616011246.

**PLEASE CONTACT YOUR ESCROW OFFICER IF YOU RECEIVE NOTICE OF A  
CHANGE TO THESE WIRE INSTRUCTIONS**

**ON-LINE BANKING TRANSFERS ARE NOT THE SAME**

"Electronic Funds Transfer" is a generic term for funds transfers, one of which is an ACH Transfer. On-line banking transfers are often completed through an ACH Transfer, not a Wire Transfer. Old Republic Title rejects all ACH Transfers and returns the funds to the sender (Government Entities/Agencies excluded.) Close of Escrow may be significantly delayed as a result of an ACH Transfer.

**OLD REPUBLIC TITLE DOES NOT AUTHORIZE FUNDS TO BE DEPOSITED DIRECTLY  
INTO OUR ACCOUNT AT Comerica Bank LOCAL BRANCH LOCATIONS**

Funds deposited directly into an account of Old Republic Title Company at a Comerica Bank branch are subject to verification. Verification of unauthorized deposits is not immediate or automated following deposit. Delay in credit of funds to an escrow and delay in Close of Escrow may result.

If you want to transfer funds by Wire Transfer from a non-United States financial institution, or have questions with regard to acceptable funds, please contact your Escrow or Title Officer immediately.

**CALIFORNIA LAND TITLE ASSOCIATION  
STANDARD COVERAGE POLICY - 1990  
EXCLUSIONS FROM COVERAGE**

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorneys' fees or expenses which arise by reason of:

1. (a) Any law, ordinance or governmental regulation (including but not limited to building or zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien, or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.-  
  
(b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
3. Defects, liens, encumbrances, adverse claims or other matters:
  - (a) whether or not recorded in the public records at Date of Policy, but created, suffered, assumed or agreed to by the insured claimant;
  - (b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;.
  - (c) resulting in no loss or damage to the insured claimant;
  - (d) attaching or created subsequent to Date of Policy; or
  - (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the insured mortgage or for the estate or interest insured by this policy.
4. Unenforceability of the lien of the insured mortgage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with the applicable doing business laws of the state in which the land is situated.
5. Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law.
6. Any claim, which arises out of the transaction vesting in the insured the estate of interest insured by this policy or the transaction creating the interest of the insured lender, by reason of the operation of federal bankruptcy, state insolvency or similar creditors' rights laws.

**EXCEPTIONS FROM COVERAGE - SCHEDULE B, PART I**

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of:

1. Taxes or assessments Which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.  
  
Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
2. Any facts, rights, interests, or claims Which are not shown by the public records but which could be ascertained by an inspection of the land which may be asserted by persons in possession thereof,
3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records.
5. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records.
6. Any lien or right to a lien for services, labor or material not shown by the public records.

## OLD REPUBLIC TITLE COMPANY

### Privacy Policy Notice

#### PURPOSE OF THIS NOTICE

Title V of the Gramm-Leach-Bliley Act (GLBA) generally prohibits any financial institution, directly or through its affiliates, from sharing nonpublic personal information about you with a nonaffiliated third party unless the institution provides you with a notice of its privacy policies and practices, such as the type of information that it collects about you and the categories of persons or entities to whom it may be disclosed. In compliance with the GLBA, we are providing you with this document, which notifies you of the privacy policies and practices of OLD REPUBLIC TITLE COMPANY

We may collect nonpublic personal information about you from the following sources:

- Information we receive from you such as on applications or other forms.
- Information about your transactions we secure from our files, or from [our affiliates or] others.
- Information we receive from a consumer reporting agency.
- Information that we receive from others involved in your transaction, such as the real estate agent or lender.

Unless it is specifically stated otherwise in an amended Privacy Policy Notice, no additional nonpublic personal information will be collected about you.

We may disclose any of the above information that we collect about our customers or former customers to our affiliates or to nonaffiliated third parties as permitted by law.

We also may disclose this information about our customers or former customers to the following types of nonaffiliated companies that perform marketing services on our behalf or with whom we have joint marketing agreements:

- Financial service providers such as companies engaged in banking, consumer finance, securities and insurance.
- Non-financial companies such as envelope stuffers and other fulfillment service providers.

WE DO NOT DISCLOSE ANY NONPUBLIC PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE THAT IS NOT SPECIFICALLY PERMITTED BY LAW.

We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

## **Disclosure to Consumer of Available Discounts**

Section 2355.3 in Title 10 of the California Code of Regulation necessitates that Old Republic Title Company provide a disclosure of each discount available under the rates that it, or its underwriter Old Republic National Title Insurance Company, have filed with the California Department of Insurance that are applicable to transactions involving property improved with a one to four family residential dwelling.

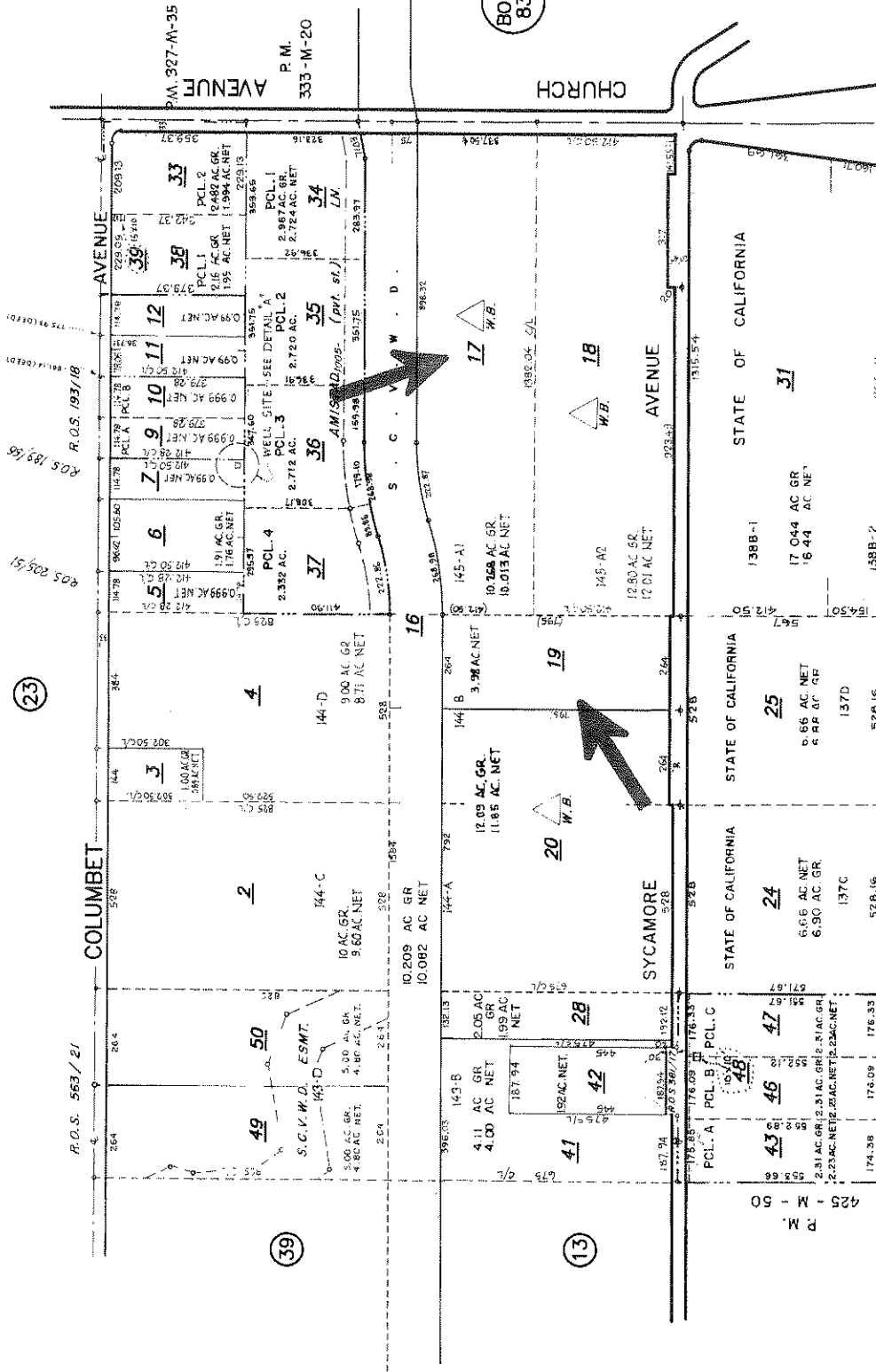
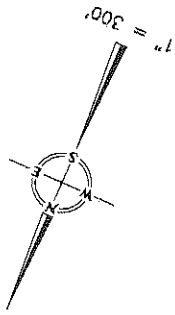
You may be entitled to a discount under Old Republic Title Company's escrow charges if you are an employee or retired employee of Old Republic Title Company including its subsidiary or affiliated companies or you are a member in the California Public Employees Retirement System "CalPERS" or the California State Teachers Retirement System "CalSTRS" and you are selling or purchasing your principal residence.

If you are an employee or retired employee of Old Republic National Title Insurance Company, or its subsidiary or affiliated companies, you may be entitled to a discounted title policy premium.

Please ask your escrow or title officer for the terms and conditions that apply to these discounts.

A complete copy of the Schedule of Escrow Fees and Service Fees for Old Republic Title Company and the Schedule of Fees and Charges for Old Republic National Title Insurance Company are available for your inspection at any Old Republic Title Company office.

SAN MARTIN RANCH MAP N° 3 9K. "G" of MAPS, PG 69



FREEWAY



VALLEY

SOUTH

NO. 274  
LAWRENCE E. STONE - ASSESSOR  
Cadastral map for assessment purposes only  
Compiled under R. & T. Code, Sec. 327.  
Effective Roll Year 2014-2015

**NOTICE...** This is neither a plat nor a survey. It is furnished merely as a convenience to aid you in locating the land indicated hereon with reference to streets and other land. No liability is assumed by reason of any reliance hereon.

Santa Clara Valley  
Water District



Project: Upper Llagas Creek Flood Protection  
Property APN: 825-12-017, 825-12-019  
Property Address: Church Avenue, San Martin CA, 95046  
Property Owner: Reif Family Trust  
Owner Address: 12280 Sycamore Avenue, San Martin CA, 95046-9586  
File No.: 5037-54; 5037-10.1

## RIGHT OF ENTRY

I, as owner of the real estate property described above (this property hereinafter referred to as "Real Property"), grant permission to the Santa Clara Valley Water District, its officers, employees, agents, and contractors (collectively or individually hereinafter referred to as "District") to enter upon my Real Property during regular District business hours (i.e. 8:00 a.m. to 5:00 p.m., Monday- Friday) for a period of 24 months from the date specified below, for the sole purpose of conducting topographical and biological surveys, conducting soils and materials investigations, conducting utility verifications, conducting general field observations, and carrying out other such exploratory work in support of the Upper Llagas Creek Flood Protection Project.

A minimum 48 hour notice will be provided prior to accessing your property.

The District will, to the extent possible by law, save and hold owner harmless from liability for any damage to persons or property occasioned by said use of the Real Property by District.

Date: 1-14-16

OWNER:

Leona M Reif  
Signature

LEONA M REIF  
Print Name

408 687-2521  
Daytime Phone Number