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PHASE I/II ENVIRONMENTAL SITE ASSESSMENT *for an Agricultural Property*

Tennant Avenue Parcels
Morgan Hill, California

March 3, 2014
Project: 2X342

Prepared for:
City of Morgan Hill
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Above: *Satellite view of property boundary,
with Highway 101 to the west*

Santa Clara County Assessor Parcel Numbers:
817-140-04, 817-140-09, & 817-140-05

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APPENDIX E:	Phase II Sampling and Reporting Documentation ■ Phase II Documentation: Field Notes ■ Interim Guidance for Sampling Agricultural Properties (Third Revision), DTSC ■ State-Certified Laboratory Analytical Report & Chain-of-Custody Documentation

ABBREVIATIONS AND ACRONYMS

APN	Assessor's Parcel Number
AST	Aboveground Storage Tank
ASTM	American Society for Testing & Materials
BN	Barn Area Shallow Soil Sample
bgs	Below Ground Surface
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CHSL	California Human Health Screening Levels
CHMRS	California Hazardous Material Incident Report System
DDD	Dichlorodiphenyldichloroethane – persistent organochlorine pesticide, relative of DDT
DDE	Dichlorodiphenyldichloroethylene – persistent organochlorine pesticide, child product of DDT
DDT	Dichlorodiphenyltrichloroethane – persistent organochlorine pesticide
EDR	Environmental Data Resources
ESA	Environmental Site Assessment
ESL	Environmental Screening Level
HREC	Historical Recognized Environmental Condition
LUST	Leaking Underground Storage Tank
mg/Kg	Milligrams per kilogram
ppm	Parts Per Million
OCP	Organochlorine Pesticide
ppb	Parts Per Billion
REC	Recognized Environmental Condition
SB	Soil Boring Location (shallow)
SCCDEH	San Clara County Department of Environmental Health
SLIC	Spills, Leaks, Investigation & clean-up
TPH	Total Petroleum Hydrocarbons
µg/L	Micrograms per Liter
USGS	United States Geological Society
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

Explanation of Environmental Assessment Terminology

adapted from ASTM Standard E 1527-05

'REC' - Recognized Environmental Condition: The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

'HREC' - Historical Recognized Environmental Condition: An environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

'NFA' - No Further Action, De minimis Condition: 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.-

Explanation of Phase II Environmental Site Assessment Screening Levels

California Human Health Screening Levels for Soil (CHHSLs): The CHHSLs are health-based guideline concentrations established for 54 common Hazardous Chemicals of Concern found in in soil or soil gas. The California Environmental Protection Agency (Cal/EPA) considers detection at or below these established threshold concentrations pose insignificant risk to human health and safety. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHA) on behalf of Cal/EPA.

Environmental Screening Levels (ESLs): California Regional Water Quality Control Board - San Francisco Bay Region has developed these screening limits in a guideline document (*"Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater"*, Interim Final, November 2007, Revised February 2013). The ESLs are intended to provide guidance on whether or not remediation of detected contamination should be warranted based on conservative risk and leachability model inputs. The ESLs referenced here were obtained from the *Table A. Shallow Soils (<3m) where groundwater is a current or potential Source of Drinking Water*.



1.0 EXECUTIVE SUMMARY

This report contains results of a combined *Phase I Environmental Site Assessment (ESA)* and a *Limited Phase II Agricultural-Land Transition Shallow Soil Investigation*, which has been conducted to review and assess potential environmental risks at a 25.81-acre agricultural property located between Tennant and Fisher Avenue, Morgan Hill, California (the "Site", see Location Map, Figure 1). The Phase I research investigation was completed to identify *potential* environmental risks associated with the property and the Phase II shallow soil sampling program was concurrently conducted to assess for *potential* impacts from historical agricultural land-uses. The Phase II sampling program followed *Department of Toxic Substances Control (DTSC)* guidance for evaluating agricultural properties that are being transitioned into other land-uses. It is our understanding the City of Morgan Hill intends to transition this agricultural acreage into ball fields.

The Site spans 25.81-acres across three adjoining parcels (Santa Clara County APNs 817-140-04, 817-140-05, and 817-140-09), and is bound by U.S. Highway 101 to the west, Tennant Avenue and hotels/recreational facilities to the north, agricultural fields and orchards to the east, and Fisher Avenue and orchards to the south (see *Figure 2 – Vicinity Map*). The Madrone detention ponds run along the western perimeter of the Site, and were constructed sometime shortly after the development of this portion of Highway 101 in the early 1970s. Site topography is flat-lying, with elevations that range from approximately 320 to 330 feet above mean sea level.

Local monitoring well networks document that first encountered groundwater beneath the Site fluctuates seasonally, and may be as high as 10 to 15 feet below ground surface (bgs) during the wet season and as low as 40 feet bgs during the dry season. The dominant regional groundwater flow direction is southerly to southeasterly.

1.1 Summary of Phase I Research

Phase I ESAs provide limited assurances of risk, since they rely on current Site conditions (Site inspections), cooperative and candid interviews/questionnaires, and a limited database of regulatory and historical documentation. The Site inspections, interviews, and review of regulatory and historic documents are designed to identify potential environmental liabilities of concern. These potential liabilities have been defined by the *American Society for Testing and Materials (ASTM)* into the following categories: (1) **recognized environmental conditions**, (2) **historical recognized environmental conditions** and (3) **de minimis conditions** (definitions presented on Project Findings Summary, pg. iv).

1.1.1 On-Site Findings

The following summarizes *Phase I research findings of on-Site environmental conditions*:

- Long-term Historical Agricultural Land-Use: Historical aerial photographs document that the subject Site has been continuously farmed since at least 1939. From at least 1939 until 2009, the property contained prune and walnut orchards, and was subsequently cleared and leveled out and planted with row crops until present. The long-term presence of orchards at properties transitioning into a different land use is considered a ***recognized environmental condition***.
- Small Barn: A relatively small barn (~300 ft²) adjoins the well/pump house along Tennant Avenue. The barn appears old, has a concrete floor and is currently used for storage (a small quantity of old boards, pipes and a tire). Agricultural barns traditionally have been used for storage of agricultural chemicals and equipment. The undocumented historical usage of the small barn structure along Tennant Avenue is considered a ***recognized environmental condition***.
- Active Irrigation Well: During Site reconnaissance, we observed an active water supply well that is currently connected to a surface row-crop irrigation system. Note: If there will be no planned use of this water supply well following property acquisition, it should be properly destroyed. This is considered a ***de minimis environmental condition***.

1.1.2 Vicinity Findings

No recognized environmental conditions were identified originating from adjoining or vicinity properties.

1.2 Summary of Phase II Limited Soil Assessment

A limited Phase II shallow soil investigation was completed to address potential contaminants of concern associated with long-term agricultural land-use, including potential storage of agricultural-related chemicals within the small barn structure. Specifically, samples were collected and tested for persistent pesticides, fuels and oils. Two phases of sampling were completed, as detailed in Section 8. The Phase II sampling results revealed the following:

- Organochlorine Pesticides (OCPs): Low-level concentrations of several common persistent OCPs were detected in shallow soils throughout the property (Figure 5, Table 1). These low-level detections of dieldrin, toxaphene and endrin generally did not exceed human health and safety thresholds established for surface exposure pathways (inhalation, soil dermal contact, etc), as determined by Cal-EPA¹. However, all shallow soil samples contained concentrations that exceeded the leachable threshold², which is the conservative Tier 1 concentration established for the protection of water resources. Site-specific leachability was assessed by collecting samples from the four worst case locations and testing for the soluble portion of the trace, total dieldrin, by the Soluble Threshold Limit Concentration (STLC) test. Lab test results showed that

¹: California Human Health Screening Levels for Soil (CHHSLs): See "Explanation of Phase II Environmental Site Assessment Screening Levels" within the Table of Contents section.

²: Environmental Screening Levels (ESLs): See "Explanation of Phase II Environmental Site Assessment Screening Levels" within the Table of Contents section.

none of the samples exceeded the leachable limits (all samples had non-detectable leachability results, see Table 2 and Figure 6).

Note: None of the field samples (9 composites and 4 discrete samples) contained dieldrin at concentrations that exceeded Health and Safety Thresholds for any land use (residential or commercial). However, all three discrete samples collected around the barn structure contained persistent Dieldrin concentration that exceeded the health-based thresholds for residential land use, only one of which exceeded the commercial industrial limit.

- Arsenic: In accordance with the DTSC testing protocols established for transitioning agricultural properties, nine (9) discrete samples were tested for the persistent pesticide metal; Arsenic. Laboratory results showed that all tested samples contained naturally occurring levels of Arsenic between 4-6 mg/Kg, all below the 9 mg/Kg threshold established for school sites (Figure 5, Table 1).
- Petroleum Hydrocarbons: Discrete shallow soil sampling around the exterior of the small, concrete-floored barn and analyzed for fuels and oils. Two of the three samples contained elevated detections of Total Petroleum Hydrocarbons as motor oil (TPH-mo), see Figure 6 and Table 3. Specifically, samples BN-2 and BN-3 had detections of TPH-mo at 180 and 750 mg/Kg, respectively which exceed the residential Environmental Screening Level (ESL) for TPH-mo, of 100 mg/Kg. BN-3 also exceeds the industrial ESL of 500 mg/Kg. These elevated detections are apparently the result of historical farm storage and maintenance operations from previous owners / operators.
- Lead: A single discrete sample (BN-3) collected from the exterior of the small barn had an elevated detection of lead at 270 mg/Kg, which exceeds the residential ESL and CHHSL threshold limit for lead of 80 and 150 mg/Kg, respectively (Figure 6, Table 3). The elevated lead detection was detected in sample BN-3 which also had elevated TPH-motor oil and was significantly higher than concentrations present in all other discrete samples analyzed for lead throughout the property.

1.3 Executive Summary: Conclusions

We have performed a *Phase I Environmental Site Assessment* in accordance with the scope and limitations of *ASTM Practice E 1527* for a property located at APNs 817-140-04, 817-140-09, & 817-140-05, in Morgan Hill, California. There were no significant exceptions to, or deletions from, this practice (i.e. data gaps), as described in Section 8.0 of this report. **The Phase I ESA revealed the presence of two (2) recognized environmental conditions.** Specifically, (1) long-term orchards managed at the Site from at least 1939 until 2009, and (2) the presence of a small storage barn used as part of the agricultural business.

A limited Phase II Shallow Soil Sampling Program was completed to assess whether significant risks to future land-use and redevelopment are present from these historical agricultural operations. The results of this sampling revealed the following:

- **Low-level Detections of Persistent Organochlorine Pesticides (OCPs):** These low-level detections of dieldrin, endrin and toxaphene generally do not constitute a future risk to human health and safety at the Site, but some of the detections exceeded groundwater quality protection screening levels (ESLs). Follow-up testing indicated the low concentration detections of Dieldrin do not have the potential to leach to groundwater. A single detection of dieldrin encountered in the small barn sample BN-1 exceeded both the groundwater protection based screening levels (ESLs) and the human health and safety exposure screening levels (CHHSLs) for ball field type land use (i.e. commercial-industrial).
- **Elevated TPH-Motor Oil and Lead Detections around the Small Barn:** Each of the three (3) discrete shallow soil samples collected around the small barn contained some elevated detections of either TPH-motor oil, lead or dieldrin in shallow soils ($\leq$ 1-foot).

We recommend completing the following tasks to clear the Site for future unrestricted land-use:

- **Delineate the Extent / Excavate Soil Impacts around Small Barn:** Soil contamination in excess of regulatory screening levels that requires mitigation was encountered in each of the three samples collected from the vicinity of the small barn. Therefore, we recommend that additional soil samples be collected from the area around the small barn to delineate the extent of agricultural-related contamination, targeting the contaminants of concern (TPH as motor oil/hydraulic fluid, lead and dieldrin). After the extent of contamination is delineated, contract with a haz-certified excavator to properly excavate the contaminated soils.
- **Irrigation Well:** If the prospective buyer does not wish to maintain use of the well, it should be properly destroyed under permit within one year of inactivity, as per State Department of Water Resources guidelines. If the well is to be maintained, we recommend that water quality data be obtained.

This concludes the *Executive Summary*.

2.0 PURPOSE AND SCOPE

This report contains results of a *Phase I Environmental Site Assessment* (ESA) that has been conducted to review environmental liabilities resulting from historic or existing environmental risks for the subject properties. Completed work tasks conformed to the recommended guidelines established by the American Society for Testing and Materials (ASTM). *Limitations and Exceptions of Assessment* are listed at the end of this report.

The purpose of this ESA is to provide a professional opinion regarding *recognized environmental conditions* at the Site, including potential impacts from known environmental problems in the

surrounding area. The term “*recognized environmental conditions*”, is defined as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property” (ASTM Standard E 1527).

2.1 Defined Scope and Methodology

The scope of services completed for this Phase I/II ESA, included the following tasks:

- We reviewed historical maps, and aerial photographs, available geologic, topographic and groundwater data of the Site and vicinity (Sections 3.3 and 4 of this report).
- We completed a visual inspection of the Site, to check for indicators that might suggest a potential source of contamination such as current hazardous materials storage or use, unusually stained ground surfaces (soils, slabs), stressed vegetation, sumps/drains/tanks, and discarded hazardous material containers (Section 6 of this report). A copy of our Site Inspection Checklist, which includes Site photos, is included in Appendix A.
- We reviewed a *User Questionnaire* (Section 7.1, copy of completed questionnaire provided in Appendix A).
- We completed interviews with multiple parties who have specialized knowledge about the subject Site (Section 7.2, interviewing documentation provided in Appendix A).
- We contracted with EDR, an information research firm specializing in environmental data collection, to conduct a regulatory list search of sites with underground fuel storage tanks (UST’s), contaminated sites, hazardous waste generation or treatment-storage-and disposal facilities, and landfills located within ASTM survey radius. We evaluated the locations of all identified sites in relation to the Site (see Section 5.1, *Figure 4 – Surrounding Site Regulatory Review*, and Appendix C for EDR’s Radius Report, which compiles and locates regulatory records from numerous local, state and federal agencies).
- We reviewed reasonably ascertainable records of hazardous materials storage and documented releases from online, public right-to-know local and State regulatory databases and physical archives, such as the State of California GeoTracker and EnviroStor databases, the Santa Clara County Department of Environmental Health LUSTOP website. Our review included a search for records pertaining to the subject Site and sites within the search distances established by ASTM E 1527-05 (see Section 5.2 through 5.3, and Appendix D for a copies of highlighted or referenced documents).

- We completed a Phase II shallow soil sampling program to assess potential environmental liability associated with the historical agricultural land-uses. The details are presented in Section 8 of this report.
- We evaluated the collected information and prepared this summary report.

3.0 SITE DESCRIPTION

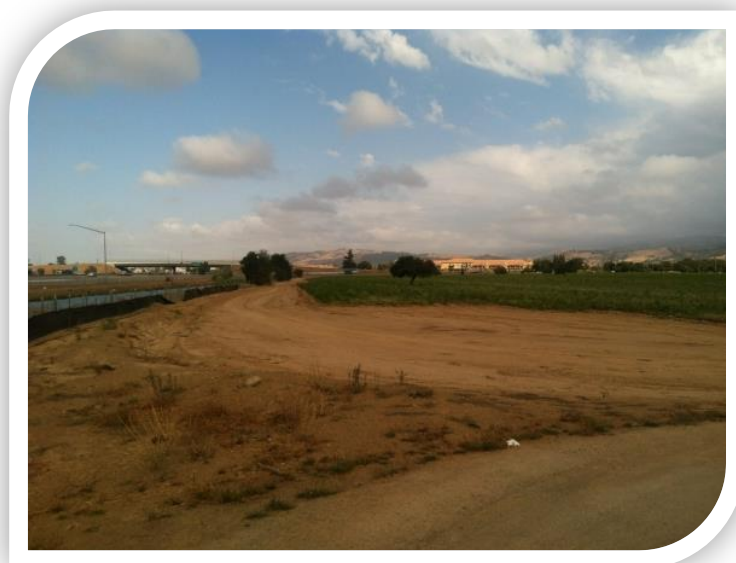
3.1 Location Setting

The subject Site is an agricultural property that spans approximately 25.81-acres across three parcels (Santa Clara County APNs 817-140-04, 817-140-05, and 817-140-09). The Site is bound by U.S. Highway 101 to the west, Tennant Avenue to the north, agricultural fields and orchards to the east and Fisher Avenue to the south (*see Figure 2 – Vicinity Map*). The Madrone Ponds (part of the Madrone Channel) run along the western perimeter of the Site, and were constructed shortly after the development of this portion of Highway 101 in the early 1970s as irrigation ponds. Site topography is flat-lying, with elevations that range from approximately 320 to 330 feet above mean sea level (MSL).

3.2 Site Description and History

According to the current property owner and our review of historical aerial photographs, this long-term agricultural property contained prune and walnut orchards until 2009. These orchards are visible on historical aerials back to 1939 (the oldest record retrieved), and were sequentially removed from the property beginning in 2009. Subsequent to clearing, the former orchard fields were leveled out and converted into row crops. Various pepper varieties were observed to be the current crop during Site reconnaissance.

The current farm manager and the current owner have stated that the crops are farmed organically. Two (2) empty-500-gallon anhydrous ammonia fertilizer tanks were temporarily stored at the Site on wooden pallets, situated next to the small barn structure along Tennant Avenue. No indications of hazardous materials and wastes or petroleum products and wastes storage were observed.



Above: View from southwest corner of property facing northwest, with Highway 101 and the Madrone Ponds on the left and the Site's agricultural fields containing peppers to the right.



Above: Inside the small wooden barn. At the time of our visual inspection, pipes, wood and tires appear to be the only materials stored in the structure.

3.2.1 Permanent and Temporary Structures

Our review of historical records and our observations during Site reconnaissance indicates that only one permanent structure has been present on the Site, namely a small wooden barn (approximately 300 sq-ft). The barn structure is in some disrepair and appears quite old, but was not discernible on historical aerials due to overhead tree coverage (see Figure 3 and Site Inspection photo documentation in Appendix A. Relic wooden barns on agricultural parcels are considered common historical locations for the storage and use of agricultural related chemicals, petroleum products, and waste.

3.2.2 Utilities, Wells and Storage Tanks

Utilities: No transformers or significant electrical infrastructure that could contain polychlorinated biphenyls (PCBs) was observed within the extent of the property. City sanitary sewer, electrical and water connections are present along Tennant Avenue. Electricity is currently routed to the water supply well.

Wells: During Site reconnaissance, an active irrigation water supply well was observed in the northeast corner of the property, near the aged barn structure. The well appeared in good condition and is contained within a small shed. According to the *Water Well Driller's Report* completed by Roman Well Drilling of Santa Cruz (report provided by the current owner), the well was constructed in April of 1980. The 12" diameter steel casing had a cement sanitary seal advanced to 50 feet below ground surface (bgs), and was then gravel-packed from 50-300 feet bgs, where it was terminated upon encountering a layer of clay. First encountered groundwater stabilized at 40 feet bgs upon well completion. The steel casing was screened at two intervals, from 100 to 180 feet bgs and from 240 to 300 feet bgs.

Storage Tanks: No evidence of underground storage tanks (USTs) or aboveground storage tanks (ASTs) was observed at the Site.



Above: An active 12-in steel casing irrigation water supply well constructed in 1980.

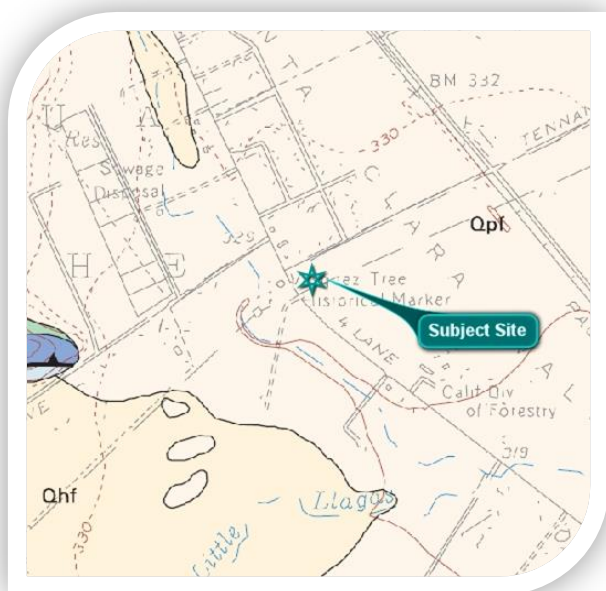
3.2.3 Title Report

A Title Report was not provided during the course of this assessment.

3.3 Local Hydrogeologic Setting

The Site is located within the Llagas Groundwater Subbasin in southern Santa Clara County. This southeast flowing alluvial basin is bounded by the Santa Cruz Mountains to the west and the Diablo Range to the east, and is a southern portion of the Coyote Valley Groundwater Subbasin. Topography surrounding the Site is generally very flat, with the Site situated at approximately 330 feet above mean sea level (MSL) - (see Location Map, Figure 1). These subbasins ultimately flow westward through the Pajaro River drainage to the Monterey Bay, following the tributary channels of Llagas and Uvas Creek.

Regional geologic maps show that the Site is underlain by deep Pleistocene alluvial fan deposits (Qpf), which locally may be more than 150 feet thick and up to 450 feet to bedrock. These alluvial fan deposits are brown, dense gravely and clayey sand or clayey gravel that fines toward the surface as sandy clay, and are generally less permeable than the newer Holocene aged deposits found closer to the active stream channels in this region (Graymer, 1997 and McLaughlin, 2001). These deposits were formed by active stream channels throughout this subbasin.



Regional Geologic Map
Qpf = Alluvial fan deposits (Pleistocene)

First encountered groundwater beneath the Site fluctuates seasonally, and may be as high as 10 to 15 feet below ground surface (bgs) or as low as 40 feet bgs, based on monitoring well data³ collected from two nearby monitoring wells that are present on Fisher Avenue and a Driller's Report for the construction of the on-Site irrigation well from 1980. The two monitoring wells (MW-55-39 & MW-55-190) are associated with a very large monitoring well network for the Olin perchlorate plume, the source of which lies approximately 2,900 feet to the west of the Site. Further discussion of this significant regional solvent release investigation is provided in Section 5.2 – State Database Review.

³: First Quarter 2010 Groundwater Monitoring Report: Olin/Standard Fusee Site, MacTec Engineering and Consulting, dated April 30, 2010. The two wells described above are the two furthestmost monitoring wells along the northeastern extent of the Olin Plume.

4.0 HISTORICAL REVIEW

Historic maps, telephone directories, and aerial photographs can be a valuable resource for determining obvious past uses of the property. These records can provide evidence of notable land use changes to the property and potential clues of hazardous material storage (copies of historic maps and aerials are included in Appendix B). Land use observations of these historical records are summarized below.

4.1 City Telephone Directories

Historical research of reverse City Telephone Directories for nearby and adjacent properties generally indicate that most of the occupants of adjacent and nearby properties were residential (or residential associated with agricultural land-use).

On-Site Land Uses: The City Telephone Directory does not have any historical listing for residents at the subject Site.

Vicinity Land Uses: The following table summarizes the historical listings for adjacent and surrounding properties between 1975-2011. *There do not appear to be any potential sites of concern that are both hydrogeologically upgradient and close to the subject.*

<u>Neighboring Property Occupants/Businesses</u>		
Site Address	Year	Occupants
16115 Condit Road (nearby parcel to the north, <i>upgradient</i>)	2011	Ramada Hotel
	2005	The Inn at Morgan Hill
	2000	The Inn at Morgan Hill
	1996	The Inn at Morgan Hill
	1991	No Return
	1986	No Return
	1980	No Return
	1975	No Return
720 Fisher Avenue (nearby parcel to the southwest, <i>sidegradient</i>)	2011	Valenti Construction
	2005	Valenti Construction
	2000	Valenti Construction
	1996	Residential
	1991	Residential
	1986	Residential
	1980	Residential
	1975	Residential

Our review of the City Telephone Directories did not identify long-term land-uses that would suggest areas of concern for the subject Site or from properties in the Site vicinity.

4.2 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps are typically associated with urban land-use and can provide detailed, historical land use information where the insurance company provided coverage. The Sanborn Map database was reviewed and no coverage was available for this rural area (see *Sanborn Coverage Report, Appendix B*).

4.3 Aerial Photographs

Twelve (12) aerial photographs depicting the subject Site and the vicinity were available from 1939 through 2012. Copies of the historical aerials are included in Appendix B. The following table summarizes our observations:

Year	<u>On-Site</u> Photo Observations	<u>Off-Site</u> Photo Observations
1939	The Subject site ("Site") appears to be agricultural and is covered by blocks of orchards.	The surrounding area appears to be agricultural orchard lands. A larger multi-building compound is present across Tennant Avenue to the northwest approximately 300 feet from the subject Site. This may be a combination of residential and agricultural structures.
1956	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo.
1968	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo.
1974	The Site generally appears as it did in the previous photo. A portion of the northwest corner of the property has been annexed by the State of California as a right of way for constructing Highway 101 and the off-ramp that runs along the western perimeter of the site.	Highway 101 has been constructed along the western perimeter of the subject Site.
1982	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo.
1998	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo. A hotel has been constructed across Tennant Avenue (along Condit Road).

Year	<u>On-Site</u> Photo Observations	<u>Off-Site</u> Photo Observations
1999	The Site generally appears as it did in the previous photo. A clearing present in the center of the Site is now more visible and there appears to be a circular structure here, although it is difficult to make out specific details.	The surrounding area generally appears as it did in the previous photo.
2005	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo.
2006	The Site generally appears as it did in the previous photo.	The surrounding area generally appears as it did in the previous photo.
2009	The orchards have now been completely cleared from the property.	The surrounding area generally appears as it did in the previous photo.
2010	The fields are now plowed and only two trees remain within the former orchard areas.	The surrounding area generally appears as it did in the previous photo.
2012	The southern half of the property now appears to contain row crops and a small portion of the northern field has row crops as well. The central portion of the Site appears as bare soil.	The surrounding area generally appears as it did in the previous photo.

Historical aerial photographs taken between 1939–2012 show that the subject Site has remained an agricultural property throughout its documented history. No large, permanent structures are visible on these historical aerials. Surrounding land-use has continued its historical trend as agricultural, with some commercial development increasing along Condit Road to the north of the subject Site across Tennant Ave. No specific areas of concern were identified from our review of these historical aerials.

4.4 Topographic Maps

Historical topographic maps, which include the subject property and surrounding sites, were obtained and reviewed (see Appendix B). The topographic maps depict this area of Morgan Hill from 1917 through 1996. There is no evidence from these topographic maps of significant geophysical or hydrological changes at the Site or surrounding area that could negatively impact soil or groundwater at the Site.

4.5 Summary of Historical Review

In summary, our review of historical records for the subject Site and vicinity properties revealed that the Site was operated as an orchard from at least 1939 until ~2009. No obvious evidence of permanent structures was observed on the historical aerials and no returns for the subject Site itself were retrieved from the City Telephone Directories. Surrounding land-use has remained primarily agricultural, but has become increasingly commercial to the north of Tennant Avenue subsequent to the completion of U.S. Highway 101 in the early 1970s. An integrated summary of the accumulated Phase I ESA findings is presented below, in *Section 9.0 – Findings & Opinions*.

Map Findings Summary

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4
STANDARD ENVIRONMENTAL RECORDS											
Federal NPL site list											
NPL	1.000		0	0	0	0					
Proposed NPL	1.000		0	0	0	0					
NPL LIENS	0.001		0	NR	NR	NR					
Federal Delisted NPL site list											
Delisted NPL	1.000		0	0	0	0					
Federal CERCLIS list											
CERCLIS	0.500		0	0	0	NR					
FEDERAL FACILITY	0.500		0	0	0	NR					
Federal CERCLIS NFRAP site List											
CERC-NFRAP	0.500		0	0	0	NR					
Federal RCRA CORRACTS facilities list											
CORRACTS	1.000		0	0	0	0					
Federal RCRA non-CORRACTS TSD facilities list											
RCRA-TSDF	0.500		0	0	0	NR					
Federal RCRA generators list											
RCRA-LQG	0.250		0	0	NR	NR					
RCRA-SQG	0.250		0	0	NR	NR					
RCRA-CESQG	0.250		0	0	NR	NR					
Federal institutional controls / engineering controls registries											
US ENG CONTROLS	0.500		0	0	0	NR					
US INST CONTROL	0.500		0	0	0	NR					
LUCIS	0.500		0	0	0	NR					
Federal ERNS list											
ERNS	0.001		0	NR	NR	NR					
State- and tribal - equivalent NPL											
RESPONSE	1.000		0	0	0	0					
State- and tribal - equivalent CERCLIS											
ENVIROSTOR	1.000		0	0	1	5					
State and tribal landfill and/or solid waste disposal site lists											
SWF/LF	0.500		0	0	0	NR					
State and tribal leaking storage tank lists											
LUST	0.500		1	0	1	NR					
SLIC	0.500		0	0							
HIST LUST	0.500		0	0							
INDIAN LUST	0.500		0	0							
State and tribal registered storage tank lists											
UST	0.250		0	0							
AST	0.250		0	0							
INDIAN UST	0.250		0	0							
FEMA UST	0.250		0	0							
State and tribal voluntary cleanup sites											
VCP	0.500		0	0							
INDIAN VCP	0.500		0	0							
ADDITIONAL ENVIRONMENTAL RECORDS											
Local Brownfield lists											
US BROWNFIELDS	0.500		0	0							
Local Lists of Landfill / Solid Waste Disposal Sites											
ODI	0.500		0	0							
DEBRIS REGION 9	0.500		0	0							
WMUDS/SWAT	0.500		0	0							
SWRCY	0.500		0	0							
HAULERS	0.001		0	0		NR					
INDIAN ODI	0.500		0	0							
Local Lists of Hazardous waste / Contaminated Sites											
US CDL	0.001		0	NR							
HIST Cal-Sites	1.000		0	0							
SCH	0.250		0	0							
Toxic Pits	1.000		0	0							
CDL	0.001		0	NR							
US HIST CDL	0.001		0	NR							
Local Lists of Registered Storage Tanks											
CA FID UST	0.250		0	0							
HIST UST	0.250		1	0							
SWEEPS UST	0.250		0	0							
Local Land Records											
LIENS 2	0.001		0	NR							
LIENS	0.001		0	NR							
DEED	0.500		0	0							
Records of Emergency Release Reports											
HMIRS	0.001		0	NR							
CHMIRS	0.001		0	NR							

NR = Not reviewed, as per the search distances established in ASTM 1527-05. This table was excerpted from the EDR Radius Report, provided in Appendix C.

A full list of the databases reviewed is provided on page GR-1 of EDR's report.

5.0 REGULATORY AGENCY INFORMATION

5.1 Database Report of Federal and State Environmental Records

Records of hazardous material storage and releases are required to be kept by regulatory agencies overseeing these environmental conditions. An information research firm specializing in environmental

data collection, EDR, prepared a *Radius Map Report* for the Site (included in Appendix C). *The Radius Map Report* identifies sites listed in the selected regulatory databases, presents location maps and details on identified sites, provides a description of the Federal and State agency data reviewed, and limitations to the search. The search specifically documents sites having registered underground fuel storage tanks (UST's), hazardous waste generation, hazardous waste treatment-storage-disposal, and subsurface contamination. Search distances are per ASTM's E1527 standard (see Appendix C for a list of all sites and full descriptions of all regulatory databases). The database search identified the following information for the target property and surrounding sites.

Subject property: The subject property ("Target property") ***was not identified*** in any of the regulatory databases reviewed as having a record of a fuel or chemical release or as being a manager of hazardous materials and/or waste products.

Surrounding Sites: Our review of the EDR Radius Report revealed the following for properties within the Site vicinity:

- **Chemical/Fuel Release Sites:** The records search **identified one (1) site** located within a ¼-mile radius of the Site as having a record of a release of contamination to soil or groundwater [i.e. Leaking Underground Storage Tanks (LUST), Cortese, Spills Leaks Investigations and Cleanup (SLIC), Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) LUST and Voluntary Cleanup Priority Listing (VCP)]. See *Figure 4 – Surrounding Site Regulatory Review* for a visual representation of current and historical surrounding environmental concerns, and *Appendix C – EDR Radius Report*.
 - Our review of the one (1) historical LUST site (Rosicrucian Order) located at 15780 Murphy Avenue, indicates that this closed release case was limited to soil, is considered hydrogeologically sidegradient to the subject Site.
- **Underground Storage Tanks (USTs):** The database search of generally historical regulatory records **identified one (1) site** located within a ¼-mile radius having a current or historical record of permitted UST's (UST, HIST UST, SWEEPS UST, Cal FID UST and/or Indian UST). *Note: these databases do not accurately indicate whether any active tank(s) are operational at these sites. Duplicate entries are also omitted from this figure.*
- **Hazardous Waste:** The records search **did not identify any sites** located within a ¼-mile radius as having records showing generation and proper disposal hazardous waste, typically a waste oil or oily waste (RCRA-SQG, RCRA-LQG, RCRA-NonGen, Notify 65, EDR Proprietary Records).
- **Dry Cleaners:** The records **did not identify any sites** operating as dry cleaners within ¼-mile radius, (Dry Cleaners).
- **Orphan Sites:** The EDR report lists **sixteen (16)** unmapped sites ("**orphans**") obtained from the list of databases, for which EDR was not able to determine an exact location. However, upon further

review, none of these sites appear to be located in the immediate vicinity of the Site and/or do not have a chemical release associated with them.

- Combined Regulatory Review Map: A comprehensive radius map documenting significant nearby releases, hazardous materials and waste management, UST/AST storage and other significant environmental features is presented in *Figure 4 – Surrounding Site Regulatory Review*.

5.2 State of California Online Regulatory Database Review

Records of hazardous materials storage and releases can also be found in state regulatory agency databases, such as the California State Water Resources Control Board Geotracker® database and Department of Toxic Substances Control EnviroStor database. A review was conducted for records on the subject Site, neighboring sites and sites revealed in the federal and state environmental database search from Section 5.1.

- Our review of the California State Geotracker database, conducted on October 10, 2013, did not identify any additional sites within a ¼-mile radius of the subject Site as having a record of a release of contamination to soil or groundwater (see Figure 4 – ‘Surrounding Site Regulatory Review’).
- However, we did review one (1) SLIC record situated within a 1-mile radius of the subject Site that was not identified in the EDR Radius Report. Specifically, the **Olin Corporation Perchlorate Plume originating from 425 Tennant Avenue**.
 - This extensive perchlorate release was discovered in 2001 and the multi-mile long groundwater plume continues to undergo delineation and remediation. This heavily regulated chemical release site is being actively remediated by a fiscally solvent responsible party. The source of the release lies approximately 3,300 feet due west of the subject Site. Extensive Llagas Subbasin aquifer depth and flow direction data has been established during the course of the Olin Plume investigation. This data shows that regional groundwater flow is consistently headed in a southerly to southeasterly direction, and occurs in three primary water bearing zones: (1) a shallow aquifer (surface to 50 feet bgs), (2) an intermediate aquifer (70-180 feet bgs), and a deep aquifer (200-400 feet bgs). The lateral extent of this plume has been dramatically reduced over the last 5 years and the subject site is situated well outside the plume footprint (see Appendix D for maps).
 - Three monitoring wells associated with this plume (MW-55-190, MW-55-275, and MW-55-339) are present just outside of the southwest corner of the subject Site at the end of Fisher Avenue⁴. We retrieved only one groundwater analytical event for these monitoring wells reported on the State GeoTracker website, but additional data may be available. The samples were gathered in April 2010 and presented in the *Second Quarter 2010*

⁴: Only two of these monitoring wells are depicted on GeoTracker and these two were the only wells observed on Fisher Avenue during Site reconnaissance.

Groundwater Monitoring Report. These snapshot results show low-level detections of perchlorate in the middle-deep aquifer zone (5.3 µg/L) and within the intermediate-lower aquifer (1.5 µg/L). No shallow groundwater analytical data was available, but based on the shallow-zone plume contour maps (Appendix D) it is very unlikely that perchlorate would be detectable within the shallow water bearing zone beneath the subject Site. Based upon the intermediate and deeper zone aquifer perchlorate concentrations at these adjoining, downgradient wells, it is unlikely that perchlorate concentrations in the on-Site irrigation water supply well would have detections of perchlorate above the water quality goal of 6.0 µg/L. *Note: the on-Site irrigation well is situated approximately 1,780 feet north of the Olin plume monitoring wells on Fisher Avenue.*

5.3 Local Agency File Review

We reviewed the Santa Clara County Department of Environmental Health (SCCDEH) *Local Oversight Program Record Document Search (LUSTOP)* online database to retrieve any documentation of fuel or chemical release mitigation or hazardous materials and/or waste management associated with the subject Site or vicinity properties not already documented by the regulatory databases discussed above. No information was on file for the subject Site or vicinity properties within a ¼-mile radius around the subject Site that was not already identified the regulatory reviews described in the preceding two sections.

5.4 Summary of Regulatory Review

In summary, our review of regulatory databases and reasonably ascertainable documents indicates that there is no record of hazardous materials or waste management, a release of hazardous materials or petroleum products or related environmental concerns at the subject Site. In addition, our research indicates that there is a single environmental condition of concern from vicinity properties. Specifically, the Olin Corporation perchlorate plume, the source of which lies approximately 3,300 feet west of the Site. Further discussion of this plume's potential impact on the subject Site is provided in Section 10.2.

A comprehensive radius map documenting significant nearby releases, hazardous materials and waste management, UST/AST storage and other significant environmental features is presented as *Figure 4 – Surrounding Site Review*. An integrated summary and assessment of the accumulated Phase I ESA findings is presented in *Section 9.0 – Findings & Opinions*.

6.0 SITE INSPECTION

6.1 Overview

A Site inspection was conducted on October 9, 2013, to note potential sources of contamination associated with on-site activities. A copy of the completed *Site Inspection Checklist*, which contains

detailed documentation of the Site survey including a photographic record of the inspection, is presented in Appendix A.

Site Visit Observations

Subject Property Observations:

Current Use of Property	The Site is currently developed as agricultural row crops, with various pepper varieties remaining after summer harvest.
Evidence of Past Uses of Property	Minimal evidence of the former orchard blocks at the Site was observed (a few remaining trees).
Potable Water Source	No potable water source observed on-site (no Site infrastructure meriting potable water).
Interior Drains? Where to?	Not applicable
Sewage Disposal Source	Not applicable
Pools of Liquid / Odors?	None observed
Hydraulic equipment?	None observed
Storage tanks?	No evidence of USTs were observed around the barn or other site infrastructure.
Drums or Containers?	Two (2) 500-gallon anhydrous ammonia fertilizer containers were observed near Tennant Avenue by the small barn structure. The tanks were on wooden pallets and appear to be stored on-site only temporarily for seasonal farming purposes.

Exterior Observations:

Pits, Ponds, Lagoons?	The Madrone irrigation ponds run along the western perimeter and separate the Site from Highway 101 and its off-ramp. These ponds run along a large extent of the eastern side of the Highway 101 corridor.
Stained soil or pavement?	None observed
Waste water discharge?	No waste (process) water generated from on-site operations.
Wells?	A single irrigation water supply well and pump house was observed in the northeast corner of the property, near the small barn. The well appeared in good condition and is contained within a small shed.

Site Visit Observations

Sumps?	None observed
Hazardous Materials?	Only anhydrous ammonia containers (described above) were observed at the Site.

Vicinity Observations:

Topography of property and vicinity	Site topography is flat-lying.
Current uses of adjoining properties	▪ North: Tennant Avenue, several hotels, Morgan Hill Aquatics Center, agricultural fields and undeveloped parcels ▪ East: orchards, agricultural fields ▪ South: orchards ▪ West: Highway 101, beyond the highway is mixed residential and agricultural land-use
Any previous Environmental related reports?	No

6.2 Summary of Site Inspection

In summary, the Site inspection revealed that the Site has been an active row-crop farm. No indications of current hazardous materials storage were observed, however a small barn structure was found along Tennant Avenue that appeared primarily empty save for a few boards, pipes and a tire. Aerial photographs and our initial knowledge of the Site did not indicate the presence of this barn. We also noted an active water supply well and attached irrigation system near the barn structure and Tennant Avenue. An integrated summary of the accumulated Phase I ESA findings is presented in *Section 9.0 – Findings & Opinions*.

7.0 USER QUESTIONNAIRE & INTERVIEWS

7.1 User Questionnaire

A *User Questionnaire* was completed by Mr. Anthony Eulo, representative for the prospective buyer (The City of Morgan Hill), dated September 27, 2013.

User Questionnaire Summary

User Questionnaire Summary

Reason for Performing ESA?	As a buyer
Environmental Liens?	No
Land-Use Limitations?	Zoned as agricultural
Any Specialized Knowledge of the Subject Site or Adjoining Properties?	▪ Not a current or former occupant of the Site. ▪ Not involved in the same industry as the previous occupants.
Fair Market Value?	The property purchase price does not reflect a discounted value relative to fair market value.
Current or Historical Chemical/Hazardous Materials Usage?	▪ Currently used for agricultural purposes. Chemical storage unknown. ▪ No knowledge of chemical releases or cleanups.
Environmental and Title Reports	None listed.

7.2 Interviews

Interviews were conducted with available county environmental regulator(s). A historical site occupant was not available for interviewing. Copies of the documented interviews are available in *Appendix A*.

Interviewee	Date / Method	Evidence Indicative of Chemical or Fuel Release at the Site?
Ian Teresi <i>Farm Manager for George Chiala Farms (current farm tenant)</i>	10/08/13, 10/30/13 Phone	Mr. Teresi answered site reconnaissance follow-up questions regarding the small shed and other materials noted around the Site. ▪ He stated that he had not used the small shed for storing any materials. ▪ He stated that the broken PVC pipe protruding from the ground near Tennant Avenue was part of the irrigation system.

Gordon Jacoby	10/10/13,	Mr. Jacoby reported:
<i>Current Owner</i>	11/04/13	
	Email,	▪ Been in charge of Site for 12 years under option to purchase, and took the property title in 2008 or 2009.
	Phone	▪ Prune and walnut orchards, the remainder of the trees were removed from the property in 2008-2009, and the fields were subsequently leveled to prepare for row-cropping. The former orchards were a combination of walnut and prune trees. ▪ Provided Water Well Driller's Report (in Appendix D). ▪ No well water quality analytical data is available. ▪ Mr. Jacoby described the small barn as a pump-house. ▪ Provided information about the former property owner. Did not have a contact phone number.

7.3 Summary of Questionnaire/Interview Review

The questionnaire/interview is intended to identify previous or current land use that might cause potential environmental impacts. No additional areas of environmental concern were discovered during our review of the User Questionnaire, or our interviewing with persons with knowledge of current and historical Site land-use and conditions. We uncovered documentation for the construction of the on-Site water supply well in 1980, however no water quality data was available.

8.0 PHASE II SHALLOW SOIL INVESTIGATION

A limited Phase II shallow soil investigation was completed in order to evaluate this agricultural property for residual pesticide and metal contamination after many decades of usage as orchards and row crops. As noted in our Phase I research, the orchards were exhumed from the Site in the late 2000s and transitioned to row crops. While current conditions throughout the Site portray "organic" agricultural practices, long-term historical orchard use is generally associated with significant pesticide applications, particularly from the 1940s through early 1960s before organochlorine pesticides were phased out. A summary of Site-specific research findings are presented in Section 10.0 – Findings and Opinions and detailed throughout Sections 4 - 7 of this report.

8.1 Field Investigation: First Round of Shallow Soil Sampling Operations

On October 9th, 2013, nine (9) four-point composite soil samples were collected from thirty-six (36) locations across the property (see Figure 5 and Table 1). The surface samples were collected from depths of approximately 6" below ground surface (bgs). This sampling program was designed to evaluate this agricultural property for common agricultural associated residual shallow soil contaminants that would impede redevelopment, following a 2008 *Department of Toxic Substances Control (DTSC) guidance document*⁵. The collected samples were submitted to a State-certified laboratory (ESC Labs) and analyzed for the following:

- *Organochlorine Pesticides (OCPs) by EPA Method 8081A*

In addition, one sample from each of the nine quadrants was analyzed for arsenic and lead, common residual contaminants found after many decades of agricultural pesticide applications. These discrete samples were evaluated by the following method:

- *Arsenic and Lead by EPA Method 6010B*

8.2 Laboratory Analytical Results: First Round of Sampling (*Table 1 and Figure 5*)

All samples were submitted to the following State-certified laboratories: *ESC Lab Sciences*. The analytical results are listed below.

Shallow Soil Organochlorine Pesticide (OCP) Analytical Results:

The composite shallow soil sample results revealed the following:

- **Dieldrin**⁶: All composite samples (Comp-1 through Comp-9) had detections of dieldrin that exceeded the Environmental Screening Level (ESL) of 0.0023 mg/Kg, but were below the



WHA field staff collecting shallow soil samples from the agricultural field.

⁵: *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, Department of Toxic Substances Control, dated August 7, 2008. This guidance document provides a sampling protocol for evaluating a former agricultural property that is known to have had or likely had uniformly applied organochlorine pesticides (OCPs). Based on the historical aerial maps for the subject Site showing orchards throughout the Site dating back to at least 1939, it is presumed that such pesticides were applied.

⁶: *Dieldrin* is an organochlorine insecticide that is chemically related to aldrin, and was considered a cheaper alternative to DDT. It was applied to many orchards throughout the late 1940s through early 1970s. Dieldrin is in a class of pesticides considered to be persistent organic pollutants, in that it takes a long time to break down in the environment and bioaccumulates in living organisms and biomagnifies throughout the food chain. Long-term exposure to dieldrin is connected various immune, reproductive and nervous system diseases.

California Human Health Screening Level (CHHSL) of 0.035 mg/Kg. The detections ranged from 0.0033 to 0.018 mg/Kg⁷. The ESL is a more conservative threshold aimed at preventing contaminants from leaching into shallow groundwater and potentially migrating into water resources, whereas the CHHSL is protective of human health via surface exposure pathways.

- **Toxaphene**⁸: Sample Comp-8 had a detection of toxaphene at 0.08 mg/Kg. This detection exceeds the ESL for toxaphene, which is 0.00042 mg/Kg, but is below the CHHSL of 0.46 mg/Kg. However, the laboratory RL was listed as 0.44 mg/Kg and the MDL was listed as 0.036 mg/Kg. Therefore, it is possible that additional samples had concentrations of toxaphene above the ESL.
- All other OCP compounds were either below regulatory screening levels or not detected.

Shallow Soil Arsenic and Lead Analytical Results:

Discrete analysis for arsenic and lead was conducted for shallow soil samples collected from sample “d” of each of the composite quadrants (results depicted on Figure 5 and presented on Table 1). The analytical results revealed the following:

- **Arsenic**: The detections were consistent throughout the Site, ranging from 4.2 to 5.7 mg/Kg, with a laboratory reporting limit of 1.1 mg/Kg. These detections exceed the ESLs and CHHSLs for residential and industrial land-use.
- **Lead**: Detections ranged from 8.2 to 13.0 mg/Kg, well below the residential ESL and CHHSL for lead of 80 mg/Kg.

8.3 Additional Confirmation Sampling and STLC Analysis

Based upon our site inspection findings and the analytical results from the shallow soil sampling mobilization both conducted on October 9th, 2013, we coordinated with the client to complete an additional round of discrete shallow soil sampling to address two issues that arose from our initial investigation:

- **Small Barn / Former Pump House Structure**: An approximately 300 sq-ft wooden shed with a concrete footing was observed during Site reconnaissance. The presence of this shed was not identified during our review of aerial photographs or initial discussions with the current property owner prior to field mobilization. Agricultural sheds and barns of this size have historically been used for such applications as pesticide and other agricultural chemical storage,

⁷: The laboratory's method detection limit (MDL) was only slightly lower than the ESL for dieldrin (MDL = 0.0015). Values between the MDL and the reporting limit (RL) are considered estimated.

⁸: *Toxaphene* is a highly chlorinated insecticide that is a mixture of around 200 organic compounds. It was widely used in California in the 1970s for the control of cattle mange (caused by parasitic mites), until it was eventually completely banned for all uses in the U.S. in 1990. Toxaphene was included in the “dirty dozen” list of highly toxic chemicals that were outlawed or highly restricted internationally in 2004 by the Stockholm Convention. Toxaphene is listed as a Group 2B carcinogen, and is known to cause damage to the nervous system and kidneys.

fuel and oil/hydraulic fluid storage, and equipment maintenance. As such, we recommended to the client that several additional discrete samples be advanced around the barn structure to determine whether or not historical agricultural operations at this location resulted in shallow soil contamination.

- On February 5th, 2014, we collected three (3) discrete shallow soil samples from targeted areas around the shed. The surface samples were collected from depths of approximately 1' bgs and analyzed for:
 - *Organochlorine Pesticides (OCPs) by EPA Method 8081A and STLC*
 - *TPH Extractibles by LUFT/FFP Method*
 - *LUFT 5 Metals by EPA Method 6010B*
- Follow-up STLC Analysis for OCP Detections: As described in Section 8.2 above, the analytical results from the first round of shallow soil sampling revealed consistent low-level detections of a single common OCP compound, dieldrin. None of the detections were above the CHHSLs for dieldrin, but they all exceeded the residential/industrial ESL (see Table 1). The ESL for dieldrin is especially low, which was developed to be protective against groundwater leachability. Based upon these results, we contacted the Regional Water Quality Control Board (RWQCB) to present these results and obtain guidance. The RWQCB requested that worst case scenario samples be analyzed by Soluble Threshold Limit Concentration (STLC) method in order to determine whether these low-levels of dieldrin in shallow soils are likely to leach into groundwater beneath the Site.
 - On February 5th, 2014, we collected an additional four (4) discrete shallow soil samples from within the composite quadrants that had the highest detections of dieldrin during the first mobilization. The surface samples were collected from depths of approximately 1' bgs.
 - *Organochlorine Pesticides (OCPs) by EPA Method 8081A and STLC*

8.4 Laboratory Analytical Results: Second Round of Sampling (Tables 2 & 3 and Figure 6)

All samples for the second round of soil sampling were submitted to the following State-certified laboratories: *BC Laboratories, Inc (CA ELAP #1186)*. The analytical results are listed below.

Shallow Soil Organochlorine Pesticide (OCP) Analytical Results:

The discrete shallow soil sample results revealed the following:

- **Dieldrin:** Samples SB-4, BN-1, BN-2 and BN-3 had detections of dieldrin that exceeded the Environmental Screening Level (ESL) of 0.0023 mg/Kg. In addition, samples BN-1 through BN-3 had detections of dieldrin that exceeded the residential CHHSL of 0.035 mg/Kg, with concentrations ranging from 0.047 through 0.18 mg/Kg. Of these, sample BN-1 also exceeded the industrial CHHSL for dieldrin, which is 0.13 mg/Kg.

- *STLC: All of the samples evaluated were reported as non-detectable for dieldrin by STLC. The laboratory reporting limit was 0.00005 mg/Kg.*
- **Endrin**⁹: Samples BN-1 through BN-3 had detections of endrin that exceeded the ESL of 0.00065 mg/Kg, however none of the concentrations were above the residential CHHSL of 21 mg/Kg. The detections ranged from 0.012 to 0.1 mg/Kg. The ESL is a more conservative threshold aimed at preventing contaminants from leaching into shallow groundwater and potentially migrating into water resources, whereas the CHHSL is protective of human health via surface exposure pathways.
- *STLC: All of the samples evaluated were reported as non-detectable for endrin by STLC. The laboratory reporting limit was 0.00005 mg/Kg.*

Shallow Soil TPH and Metals Analytical Results:

The discrete shallow soil sample results revealed the following:

- **TPH-Motor Oil**: Samples BN-2 and BN-3 had detections of TPH as Motor Oil that exceeded the residential ESL of 100 mg/Kg, at concentrations of 180 and 750 mg/Kg respectively.
- **Lead**: Sample BN-3 had a detection of lead that exceeded the residential ESL and CHHSL of 80 and 150 mg/Kg, with a detected concentration of 270 mg/Kg.

This concludes our presentation of the analytical results from the Phase II sampling program. Opinions regarding these results are presented in Section 10.3 below.

9.0 DATA GAPS

No data gaps were encountered during the course of this investigation.

10.0 FINDINGS & OPINIONS

10.1 Subject Site Phase I Findings

The following environmental conditions were noted for the subject Site, based upon a review of historical information, regulatory records and a visual inspection of the property. Specifically, the following information was gathered:

- **Long-term Historical Agricultural Land-Use**: Historical aerial photographs document that the subject Site has been continuously farmed since at least 1939. From at least 1939 until 2009, the property contained prune and walnut orchards, and was subsequently cleared and leveled out and planted with row crops until present.

⁹: *Endrin* is an organochlorine insecticide/rodenticide that is chemically related to aldrin and dieldrin. It was occasionally applied within orchards throughout the late 1940s through early 1970s.

Opinion: The long-term presence of orchards at properties transitioning into a different land use is considered a **recognized environmental condition**.

- **Small Barn:** A relatively small barn (~300 ft²) adjoins the well/pump house along Tennant Avenue. The barn appears old, has a concrete floor and is currently used for storage (a small quantity of old boards, pipes and a tire). Agricultural barns traditionally have been used for storage of agricultural chemicals and equipment.

Opinion: The undocumented historical usage of the small barn structure along Tennant Avenue is considered a **recognized environmental condition**.

- **Active Irrigation Well:** During Site reconnaissance, we observed an active water supply well that is currently connected to a surface row-crop irrigation system. Note: If there will be no planned use of this water supply well following property purchase, it should be properly destroyed.

Opinion: This is considered a **de minimis environmental condition**.

10.2 Adjoining / Surrounding Phase I Findings

Our review of historical and regulatory records for adjoining/nearby properties revealed the following environmental conditions:

- **Olin Corporation Perchlorate Plume:** As discussed in Section 5.2, a significant regional perchlorate release was discovered in 2001, originating from the Olin Corporation property at 425 Tennant Avenue which lies approximately 3,300 feet due west of the subject Site. Extensive Llagas Subbasin aquifer depth and flow direction data has been established during the course of the Olin Plume investigation. This data shows that regional groundwater flow is consistently headed in a southerly to southeasterly direction, and is separated into three distinct water bearing zones (shallow, intermediate and deep). Monitoring wells just outside of the southwest corner of the subject Site show low-level concentrations of perchlorate in groundwater—up to 5.7 µg/L in the middle-deep aquifer, i.e. below 200 feet bgs. Considering that the on-Site irrigation water supply well is screened at two intervals, from 100-180 feet bgs and then from 240-300 feet bgs, it is possible that very low-level concentrations of perchlorate could be detectable in the well.

Opinion: While no water quality analytical data was provided for the on-Site irrigation well, downgradient monitoring well data indicates that there is a low likelihood that perchlorate concentrations would exceed 6.0 µg/L. If the buyer wishes to continue using this irrigation well, water quality analytical data should be obtained. This is considered a **de minimis environmental condition**.

10.3 Phase II Sampling Program Findings

A limited Phase II shallow soil investigation was completed to address potential contaminants of concern associated with long-term agricultural land-use, including potential storage of agricultural-related chemicals within the small barn structure. Two phases of sampling were completed, as detailed in Section 8. The Phase II sampling results revealed the following:

Low-level Detections of Persistent Organochlorine Pesticides (OCPs): Low-level concentrations of several common OCPs were detected throughout the property.

- **Dieldrin:** All of the composites had low-level detections of the OCP dieldrin, ranging from 0.0033 to 0.018 mg/Kg that exceeded the ESL for dieldrin of 0.0023 mg/Kg, but were below the CHHSL 0.35 mg/Kg. The additional discrete sampling yielded detections of dieldrin that ranged from 0.0014 through 0.18 mg/Kg.
- **Toxaphene:** A single detection of toxaphene was encountered in sample Comp-8 at 0.08 mg/Kg. This detection exceeds the ESL for toxaphene, which is 0.00042 mg/Kg, but is below the CHHSL of 0.46 mg/Kg. The additional analytical results from the discrete sampling event did not detect toxaphene above the applicable regulatory thresholds.
- **Endrin:** All three of the discrete samples collected from the area surrounding the barn (samples BN-1 through BN-3) had low-level detections of endrin, ranging from 0.012 through 0.10 mg/Kg. This detection exceeds the ESL for endrin, which is 0.00065 mg/Kg, but is well below the residential CHHSL of 21 mg/Kg. The additional analytical results from the discrete sampling event did not detect endrin above the applicable regulatory thresholds, and STLC analytical results for endrin were all non-detectable.
 - **Opinion:** These low-level detections of dieldrin, toxaphene and endrin are generally not considered to be a risk to human receptors through surface exposure pathways (inhalation, soil dermal contact, etc), as determined by Cal-EPA. In addition, STLC analysis of discrete samples collected from the field and around the barn cleared these low-level detections from the groundwater protection based ESLs. However, a single detection of dieldrin exceeded the established human health and safety CHHSLs (sample BN-1).

Petroleum Hydrocarbons: Discrete shallow soil sampling around the small barn was analyzed for a suite of petroleum hydrocarbons. Two of the samples contained elevated detections of TPH as motor oil. Specifically, samples BN-2 and BN-3 had detections of TPH-mo at 180 and 750 mg/Kg, respectively. Both of these detections exceed the residential ESL for TPH-mo, which is 100 mg/Kg, and BN-3 exceeds the industrial ESL of 500 mg/Kg.

- **Opinion:** These detections indicate that equipment storage and/or maintenance occurred in this area. Considering that there were no visual indications of recent equipment maintenance or petroleum hydrocarbon impacts, and that the current owner and tenant stated that they had

not used this small barn or area for equipment storage and maintenance or hazardous materials storage, these impacts are likely from previous owners / operators.

Metals: Discrete soil samples collected from the agricultural fields were evaluated for the common pesticide-related metals arsenic and lead, and the discrete soil samples collected from around the small barn structure were evaluated for LUFT 6 metals, which are more commonly associated with areas where equipment maintenance was performed. The following metals were detected:

- **Arsenic:** Discrete samples collected from one of each of the nine (9) composite quadrants revealed consistent detections of arsenic that ranged from 4.2 to 5.7 mg/Kg.
 - **Opinion:** While these detections exceed the ESLs and CHHSLs for residential and industrial land-use, the consistency of the detections, data from other nearby sites and a regulatory guidance document¹⁰ for transitioning from agricultural land-use, indicate that these arsenic detections are likely background levels and are not indicative of significant arsenic contamination from historical pesticide applications.
- **Lead:** A single discrete sample (BN-3) collected from the exterior of the small barn had an elevated detection of lead at 270 mg/Kg, which exceeds the residential ESL and CHHSL for lead of 80 and 150 mg/Kg, respectively. Background levels present throughout the agricultural fields ranged from 8.2 to 13 mg/Kg, and the remaining two small barn samples (BN-1 and BN-2) had detections of lead at 35 and 29 mg/Kg, respectively.
 - **Opinion:** The elevated detection present in sample BN-3 was significantly higher than the concentrations present in all other discrete samples analyzed for lead throughout the property, indicating that this detection was above the general background level for this area.

11.0 CONCLUSIONS & RECOMMENDATIONS

11.1 Phase I Conclusions

We have performed a *Phase I Environmental Site Assessment* in accordance with the scope and limitations of *ASTM Practice E 1527* for a property located at APNs 817-140-04, 817-140-09, & 817-140-05, in Morgan Hill, California. There were no significant exceptions to, or deletions from, this practice (i.e. data gaps), as described in Section 8.0 of this report. **The Phase I ESA revealed the presence of two (2) recognized environmental conditions.** Specifically, (1) long-term orchards managed at the Site from at least 1939 until 2009, and (2) the presence of a small barn / shed structure with unknown historical agricultural storage purposes.

¹⁰: Interim Guidance for Sampling Agricultural Properties (Third Revision), Department of Toxic Substances Control, dated August 7, 2008. This guidance document states that, "If all the arsenic results for the site are at or below 12 mg/kg, then collection of background samples will not be required".

11.2 Phase II Conclusions

A *limited Phase II Shallow Soil Sampling Program* was completed to assess whether significant risks to future land-use and redevelopment are present from these historical agricultural operations. The results of this sampling revealed the following:

- **Low-level detections of the persistent organochlorine pesticides (OCPs)** dieldrin, endrin and toxaphene. These low-level detections generally do not constitute a future risk to human health and safety at the Site, but some of the detections exceeded groundwater quality protection screening levels (ESLs). A single detection of dieldrin encountered in the small barn sample BN-1 exceeded both the groundwater protection based screening levels (ESLs) and the human health and safety exposure screening levels (CHHSLs). This detection is co-located with elevated detections of TPH-motor oil and lead in the vicinity of the small barn.
- **Elevated TPH-Motor Oil and Lead Detections Around small barn:** Each of the three (3) discrete shallow soil samples collected around the small barn had elevated detections of either TPH-motor oil, lead or dieldrin.

11.3 Recommendations

We recommend completing the following tasks to clear the Site for future unrestricted land-use:

- **Delineate the Extent / Excavate Soil Impacts around Small Barn:** Soil contamination in excess of regulatory screening levels that requires mitigation was encountered in each of the three samples collected from the vicinity of the small barn. Therefore, we recommend that additional soil samples be collected from the area around the small barn to delineate the extent of agricultural-related contamination, targeting the contaminants of concern (TPH as motor oil/hydraulic fluid, lead and dieldrin). After the extent of contamination is delineated, contract with a haz-certified excavator to properly excavate the contaminated soils.
- **Irrigation Well:** If the prospective buyer does not wish to maintain use of the well, it should be properly destroyed under permit within one year of inactivity, as per State Department of Water Resources guidelines. If the well is to be maintained, we recommend that water quality data be obtained.

12.0 LIMITATIONS AND EXCEPTIONS OF ASSESSMENT

This report and the associated work have been provided in accordance with the principles and practices generally employed by the local environmental consulting profession. This is in lieu of all other warranties, express or implied. This report has been prepared solely for our client. The assessment is provided so the client may make a more informed decision as to Site conditions. This report shall not be relied upon by, or transferred to, any other party without expressed permission by our client. This ESA is not a regulatory compliance audit or an evaluation of the efficiency of the use of any hazardous materials at the Site. Unless otherwise stated no evaluation for the presence of asbestos-containing building materials, lead-based paint, urea-formaldehyde foam insulation, or other potentially hazardous building materials; methane; radon gas; lead in drinking water; or wetlands, is included in our assessment.

Our findings and opinions are based on information collected from regulatory agency files and lists, interviews, and Site conditions at the time of our Site reconnaissance. Note that our findings and opinions are based on information that we obtained on specific dates through records review, Site reconnaissance, and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions we observed to have changed after our observations.

The accuracy and thoroughness of any environmental assessment depend on a variety of factors and optimally will include soil and groundwater sampling. Weber, Hayes and Associates cannot and will not provide guarantees, certifications or warranties that the investigated property is or is not free of environmental impairment. Any person who is aware of any *recognized environmental conditions* of the Site or surrounding areas that are different from those described in the report should report them immediately to this office for evaluation as part of an additional scope of work.

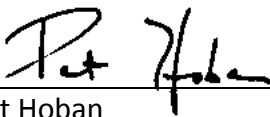
Thank you for this opportunity to be of service. Should you have any questions or comments regarding this project, please contact us at our offices.

Respectfully submitted,

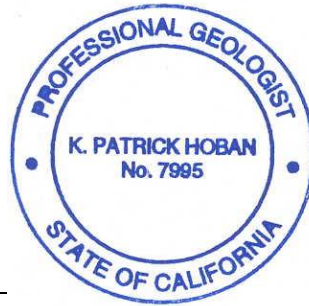
WEBER, HAYES AND ASSOCIATES

A California Corporation

By:



Pat Hoban
Senior Geologist



And:

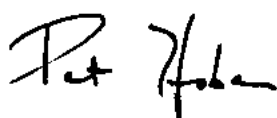

Jacob Aman
Staff Scientist

13.0 QUALIFICATION OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10¹¹ of this part.

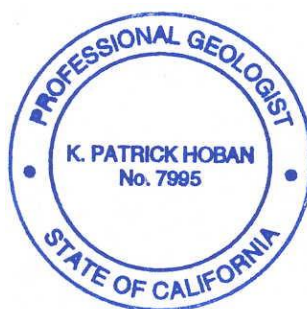
I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

By



Pat Hoban

Senior Geologist



¹¹ ASTM Standard E 1527-05, X2.1.1.1 and Federal Register 40 CFR Part 312, §312.10:

Environmental Professional means:

- (1) A person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment to develop opinions and conclusions regarding conditions indicative of releases or threatened releases...on, at, in, or to a property, sufficient to meet the objectives and performance factors...
- (2) Such a person must:
 - (i) Hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) and have the equivalent of three (3) years of full-time relevant experience; or
 - (ii) Be licensed or certified by the federal government, a state, tribe, or U.S. territory (or the Commonwealth of Puerto Rico) to perform environmental inquiries ... and have the equivalent of three (3) years of full-time relevant experience; or
 - (iii) Have a Baccalaureate or higher degree from an accredited institution of higher education in a discipline of engineering or science and the equivalent of five (5) years of full-time relevant experience; or
 - (iv) Have the equivalent of ten (10) years of full-time relevant experience...

14.0 REFERENCES

Environmental Assessment Standards and Guidance Documents:

- ASTM E1527-05, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*; 2005
- ASTM E2600-10, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, 2010.
- *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, Department of Toxic Substances Control, dated August 7, 2008.
- *California Human Health Screening Levels (CHHSLs) – Use of California Human Health Screening Levels (CHHSLs) in Evaluation of Contaminated Properties*, California Environmental Protection Agency, January 2005.

State/Local Regulatory Databases and Geologic Information

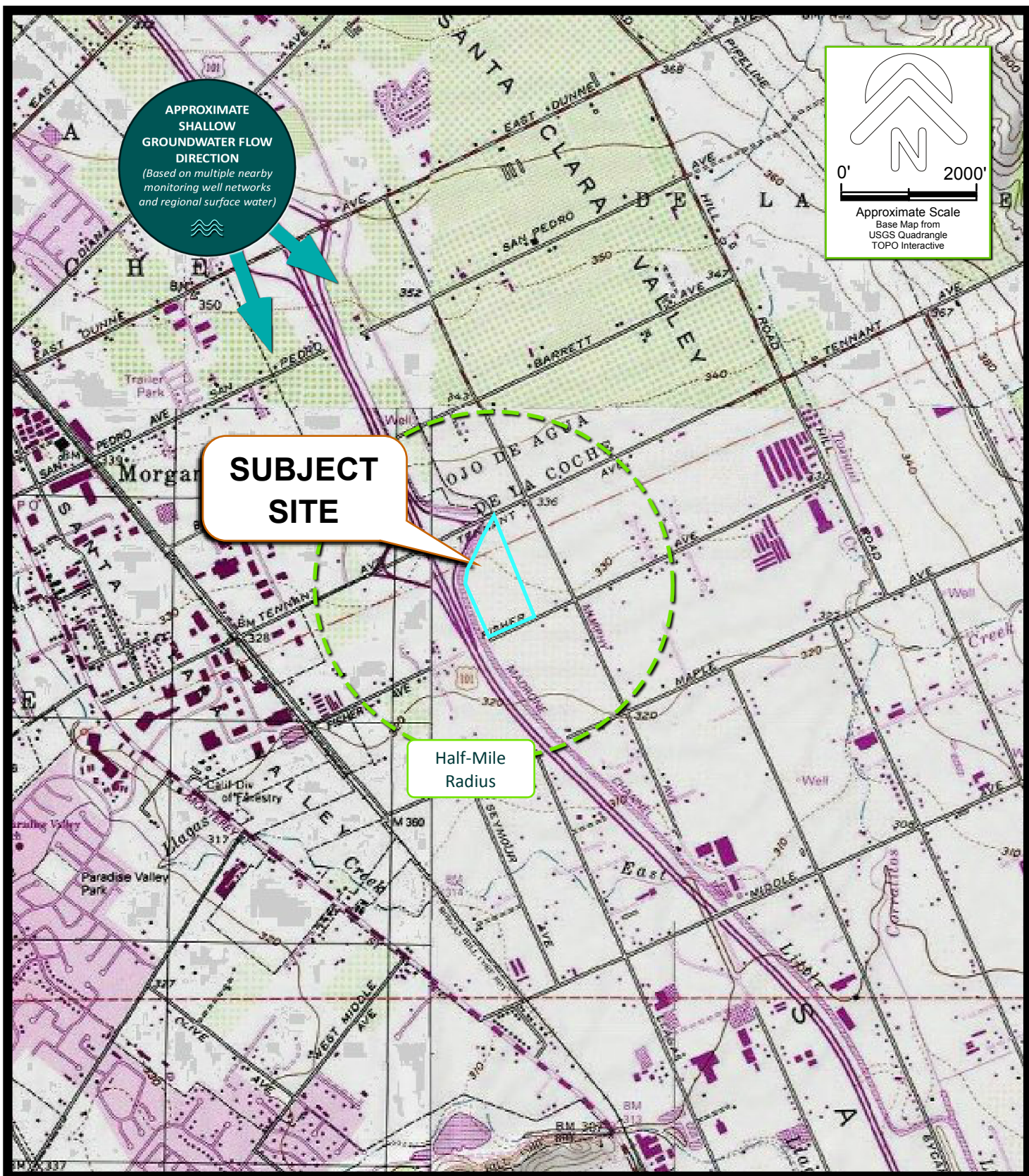
- California SWRCB GeoTracker Database, www.geotracker.swrcb.ca.gov, reviewed in October 2013.
- California DTSC EnviroStor Database, <http://www.envirostor.dtsc.ca.gov/public/>, reviewed in October 2013.
- Santa Clara County Geographic Information Systems (GIS) website, sccgov.org/arcgis/SCCPubInteractiveMap/, 2013.
- Santa Clara County Department of Environmental Health - Local Oversight Program Record Document Search (LUSTOP), <http://lustop.sccgov.org/>, 2013.
- *Geologic Maps and Structure Sections of the Southwest Santa Clara Valley and Southern Santa Cruz Mountains, Santa Clara and Santa Cruz Counties, California*, R. J. McLaughlin, et al, 2001.
- *Llagas Subbasin Characterization: Santa Clara County: Olin/Standard Fusee*, MacTec Engineering and Consulting, Inc., dated March 29, 2006.
- *Geologic of Southernmost Santa Clara County, California*, R. W. Graymer, 1997.

Regional Perchlorate Plume (Olin Plume – 425 Tennant Avenue):

- *Second Quarter 2010 Groundwater Monitoring Report: Olin/Standard Fusee Site*, MacTec Engineering and Consulting, dated July 30, 2010.
- *Second Quarter 2013 Groundwater Monitoring Report: Olin Site*, AMEC Environment & Infrastructure, Inc., dated July 30, 2013.

FIGURES

- 1) LOCATION MAP
- 2) VICINITY MAP
- 3) SITE MAP
- 4) SURROUNDING SITE REGULATORY REVIEW
- 5) COMPOSITE SHALLOW SOIL SAMPLING RESULTS –
OCPS AND SELECT METALS
- 6) DISCRETE SHALLOW SOIL SAMPLING RESULTS



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Location Map
Phase I / II Environmental Site Assessment
 Tennant Avenue Parcels
 Morgan Hill, California

Figure
1
Job #
2x342



2x342.Morgan-Hill (tenant) ESA\Figures\2-Vicinity.CVX

Figure 2
Project 2X342

Vicinity Map
Phase I / II Environmental Site Assessment
Tennant Avenue Parcels
Morgan Hill, California



Figure
3
Project
2X342

Site Map
Phase I / II Environmental Site Assessment
Tennant Avenue Ag Parcels
Morgan Hill, California

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FEDERAL RECORDS WIDE RADIUS SEARCH

Database	Distance from Property 1/2 mile	1 mile
National Priorities List sites (NPL or Superfund)	0	0
Proposed NPL sites (CERCLIS)	0	--
Delisted NPL sites	0	--
RCRA CORRACTS sites	0	0

STATE RECORDS WIDE RADIUS SEARCH

LUST / SLIC sites	1	--
Voluntary Cleanup (VCP) sites	0	--
Landfill sites	0	--

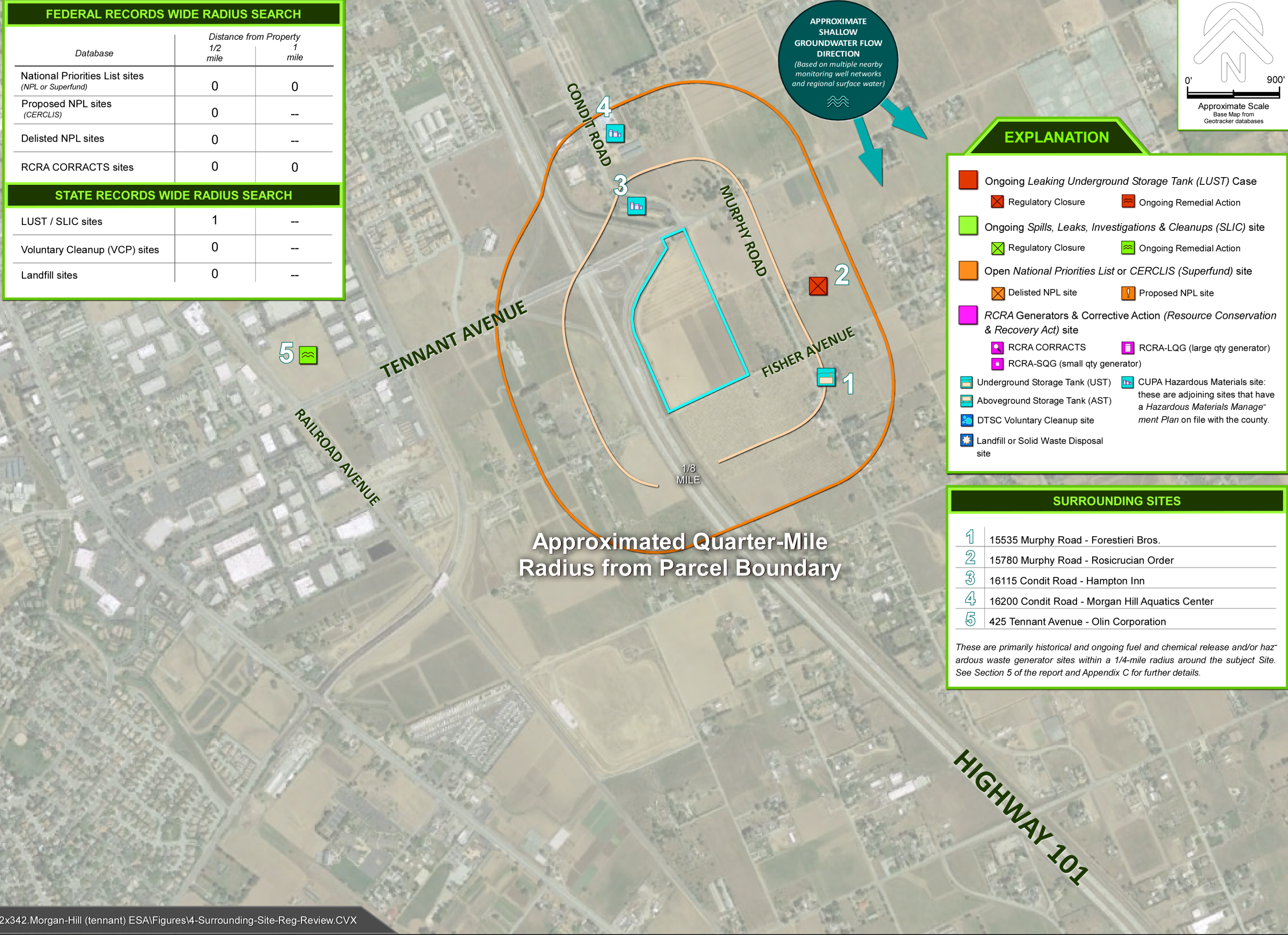


Figure 4
Project 2X342

Surrounding Site Regulatory Review
Phase I/II Environmental Site Assessment
Tennant Avenue Ag Parcels
Morgan Hill, California

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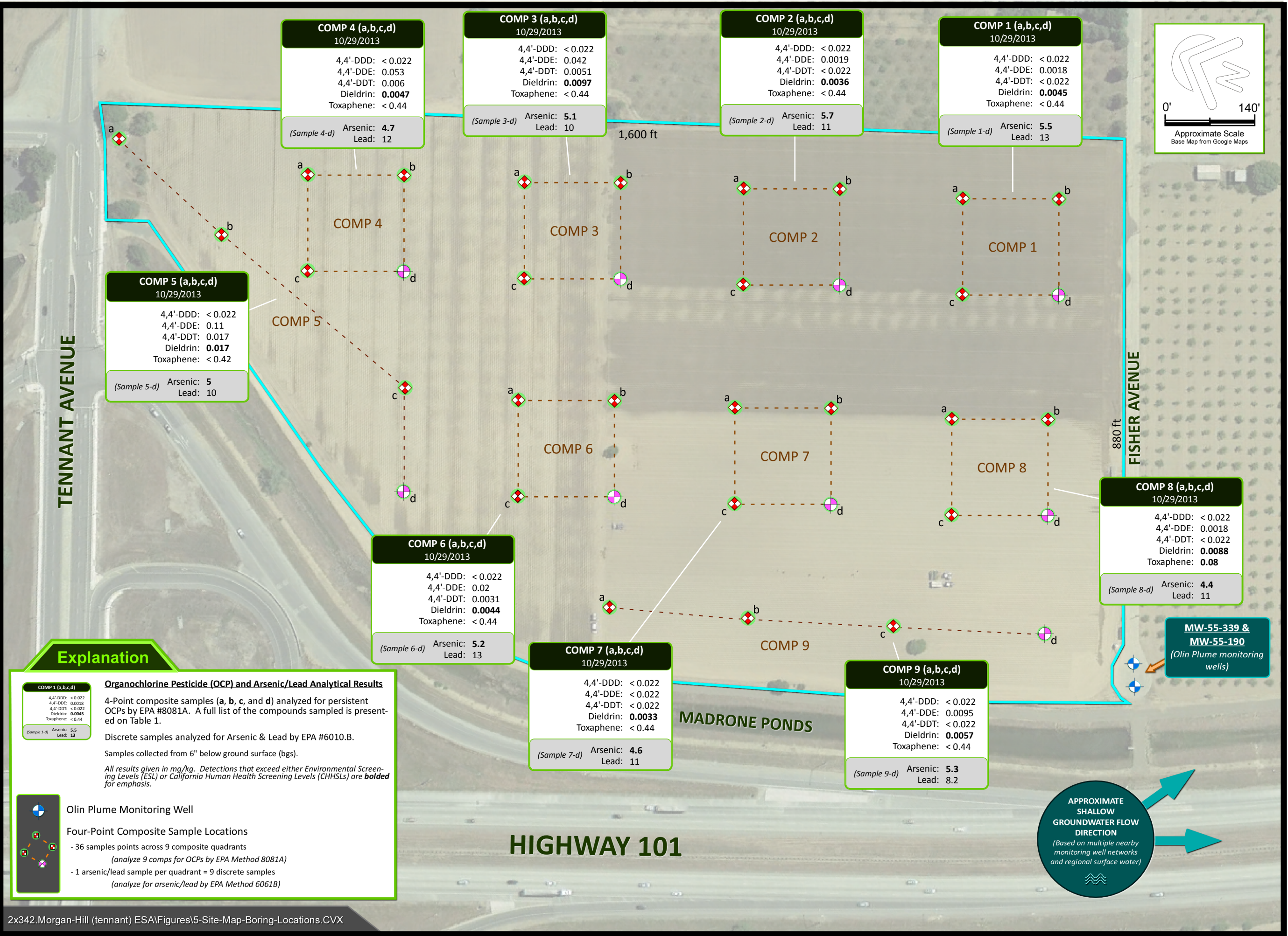


Figure 5
Project 2X342

Composite Shallow Soil Sampling Results
-OCPs and Select Metals
Phase I / II Environmental Site Assessment
Tennant Avenue Ag Parcels
Morgan Hill, California



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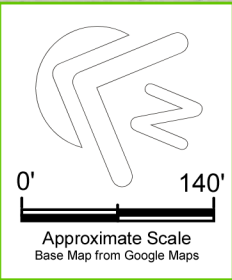
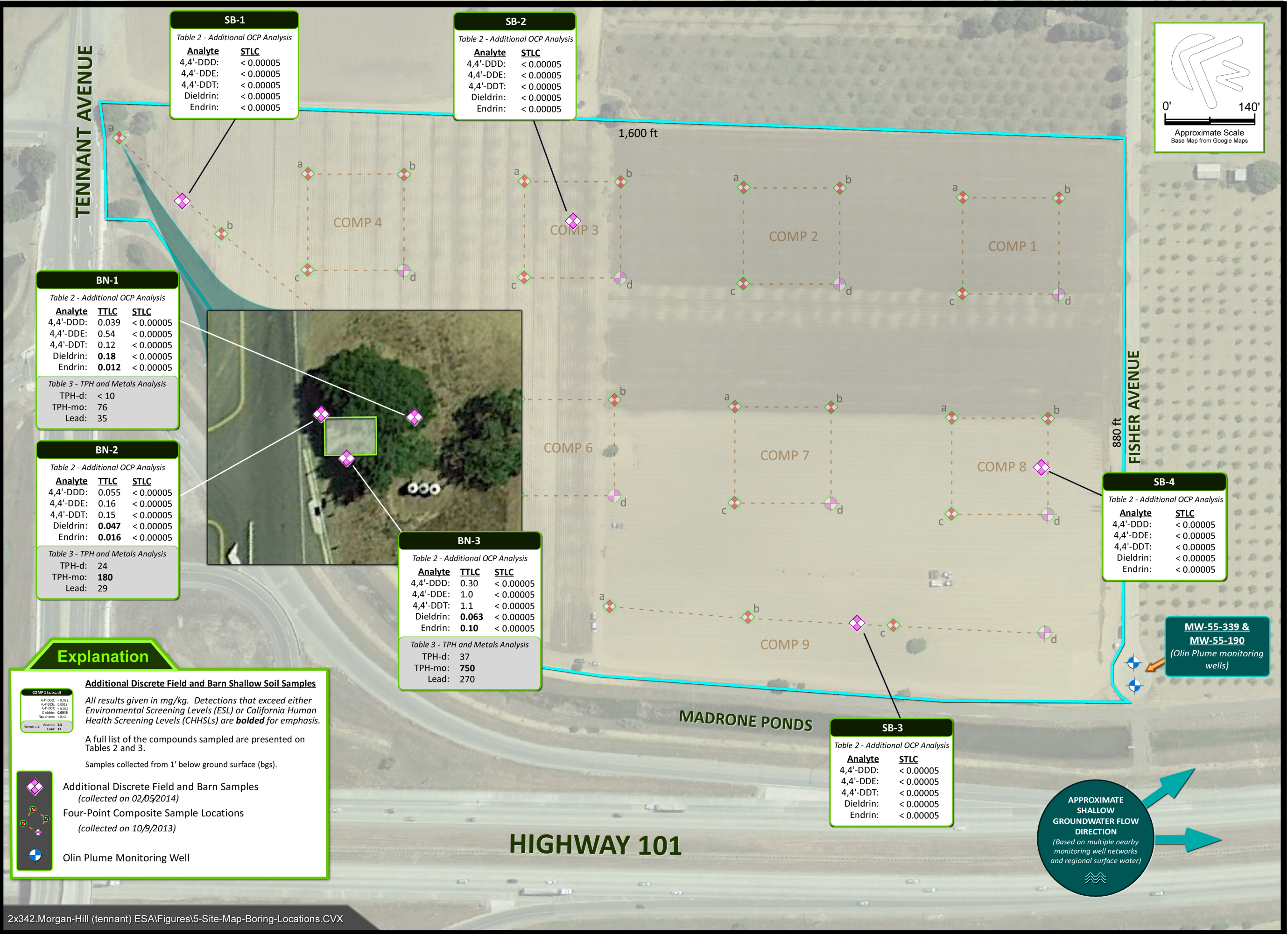


Figure 6
Project 2X342

Additional Soil Sampling and STLC
Analysis Results
Phase I / II Environmental Site Assessment
Tennant Avenue Ag Parcels
Morgan Hill, California

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TABLES

- 1) COMPOSITE SHALLOW SOIL SAMPLE ANALYTICAL
RESULTS – OCPS AND SELECT AGRICULTURAL
METALS
- 2) DISCRETE SHALLOW SOIL SAMPLE ANALYTICAL
RESULTS – OCPS WITH STLC
- 3) DISCRETE SHALLOW SOIL SAMPLE ANALYTICAL
RESULTS – TPH AND LUFT 5 METALS

Table 1: Soil Sample Results
Persistent Organochlorine Pesticide (OCP) and Arsenic/Lead Analysis
Tennant Avenue Agricultural Parcels, Morgan Hill, CA
All soil results are in parts per million (mg/kg).

Sample Information			Metals by EPA #6010.B		Organochlorine Compounds by EPA #8081A																		
Sample ID#	Sample Type <i>(discrete or composite)</i>	Depth <i>(in. below ground surface)</i>	Lead	Arsenic	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	Alpha-BHC <i>(HCH alpha)</i>	Beta-BHC <i>(HCH beta)</i>	Chlordane <i>(technical)</i>	delta-BHC <i>(HCH delta)</i>	Dieldrin ⁽³⁾	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Endrin ⁽³⁾	Endrin Aldehyde ⁽³⁾	Lindane <i>(Gamma-BHC)</i>	Heptachlor ⁽³⁾	Heptachlor Epoxide ⁽³⁾	Methoxy-chlor	Toxaphene ⁽³⁾
Comp-1 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.0018 J	< 0.022	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0045 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-1-d	Discrete	6 "	13.0	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-2 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.0019 J	< 0.022	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0036 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-2-d	Discrete	6 "	11.0	5.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-3 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.042	0.0051 J	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0097 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-3-d	Discrete	6 "	10.0	5.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-3 (dup)	Composite (4-point)	6 "	--	--	< 0.022	0.0011	0.001	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.018	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	<0.022	< 0.036
Comp-3-d (dup)	Discrete	6 "	10.0	4.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-4 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.053	0.0060 J	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0047 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-4-d	Discrete	6 "	12.0	4.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-5 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.021	0.11	0.017 J	< 0.021	< 0.021	< 0.021	< 0.21	< 0.021	0.017 J	< 0.021	< 0.021	< 0.021	< 0.0016	< 0.0013	< 0.021	< 0.0015	< 0.0016	< 0.021	< 0.036
Comp-5-d	Discrete	6 "	10.0	5.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-6 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.020 J	0.0031 J	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0044 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-6-d	Discrete	6 "	13.0	5.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-7 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0033 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-7-d	Discrete	6 "	11.0	4.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-8 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.0018 J	< 0.022	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0088 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	0.08
Comp-8-d	Discrete	6 "	11.0	4.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-9 (a,b,c,d)	Composite (4-point)	6 "	--	--	< 0.022	0.0095 J	< 0.022	< 0.022	< 0.022	< 0.022	< 0.22	< 0.022	0.0057 J	< 0.022	< 0.022	< 0.022	< 0.0016	< 0.0013	< 0.022	< 0.0015	< 0.0016	< 0.022	< 0.036
Comp-9-d	Discrete	6 "	8.2	5.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Laboratory Detection Limit: (Method Detection Limit) ⁽³⁾			0.27	1.1	0.022	0.022	0.022	0.022	0.022	0.022	0.22	0.022	0.022 (0.0015)	0.022	0.022	0.022	0.022 (0.0016)	0.022 (0.0013)	0.022	0.022 (0.0015)	0.022 (0.0016)	0.022	0.44 (0.036)
Environmental Screening Levels ⁽¹⁾ Residential / Industrial			80 / 320	0.39 / 0.96	2.4 / 290	1.7 / 4.0		0.032 / 0.35	--	--	0.44 / 15	--	0.0023 / 0.0023	0.0046 / 0.0046			0.00065 / 0.00065		--	0.013 / 0.013	0.014 / 0.014	19 / 19	0.00042 / 0.00042
CHHSLs ⁽²⁾ Screening Levels Residential / Industrial			80 / 320	0.070 / 0.24	2.3 / 9.0	1.6 / 6.3		0.033 / 0.13	--	--	0.43 / 1.7	--	0.035 / 0.13	--			21 / 230		0.5 / 2.0	0.13 / 0.52		340 / 3,800	0.46 / 1.8

Notes

- 1 = **Environmental Screening Levels (ESLs):** California Regional Water Quality Control Board - San Francisco Bay Region has prepared and provided these ESLs in a document entitled: Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater (interim Final, November 2007, Revised February 2013). The ESLs are intended to provide guidance on whether or not remediation of detected contamination should be warranted. The ESLs used for this table were obtained from the above referenced document, Table A. Shallow Soils (<3m), Groundwater IS a current or potential Source of Drinking Water. The ESL document catogorizes TPH as either gasoline, middle distillates, or residual fuels. "Middle distillates" are considered to include diesel fuel, kerosene, stoddard solvent, heating fuel, and jet fuel, whereas "residual fuels" include fuel oil (bunker fuel), lubricating oils (motor oil, oil and grease, waste oils) and asphalts.
- 2 = **California Human Health Screening Levels for Soil (CHHSLs):** The California Human Health Screening Levels are concentrations of 54 Hazardous Chemicals in soil or soil gas that the California Environmental Protection Agency (Cal/EPA) considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHa) on behalf of Cal/EPA.
- 3 = **Minimum Detection Limits (MDL)** used - see lab sheets
- ND = Not Detected at or above the laboratory RL.
- J = Laboratory reports values reported between MDL and RL should be considered as estimated
- < # = Reporting limit elevated due to laboratory sample dilution. Value reported as less than elevated laboratory reporting limit, X.
- BOLD** = Analytical results above CHHSL or ESL

Table 2: Additional Soil Sample Results - February 5, 2014

Persistent Organochlorine Pesticide (OCP) and STLC Analysis

Tennant Avenue Agricultural Parcels, Morgan Hill, CA

Soil results are in parts per million (mg/kg), STLC results are in parts per million (mg/L).

Sample Information				Organochlorine Compounds by EPA #8081A																						
Sample ID#	Sample Date	Sample Type <i>(discrete or composite)</i>	Depth <i>(ft. below ground surface)</i>	4,4'-DDD	4,4'-DDE	4,4'-DDE (STLC)	4,4'-DDT	4,4'-DDT (STLC)	Aldrin	Alpha-BHC (HCH alpha)	Beta-BHC (HCH beta)	Chlordane (technical)	delta-BHC (HCH delta)	Dieldrin ⁽³⁾	Dieldrin ⁽³⁾ (STLC)	Endo-sulfan I	Endo-sulfan II	Endo-sulfan Sulfate	Endrin ⁽³⁾	Endrin ⁽³⁾ (STLC)	Endrin Aldehyde ⁽³⁾	Lindane (Gamma-BHC)	Heptachlor ⁽³⁾	Heptachlor Epoxide ⁽³⁾	Methoxy-chlor	Toxaphene ⁽³⁾
SB-1	2/5/2014	Discrete	1.0	< 0.00050	0.028	< 0.000050	0.0054	< 0.000050	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.0017	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
SB-2	2/5/2014	Discrete	1.0	< 0.00050	0.0083	< 0.000050	0.0018	< 0.000050	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.0014	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
SB-3	2/5/2014	Discrete	1.0	< 0.00050	0.0012	< 0.000050	0.0010	< 0.000050	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.0019	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
SB-4	2/5/2014	Discrete	1.0	< 0.00050	0.0015	< 0.000050	0.0010	< 0.000050	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.0086	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.000050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
BN-1	2/5/2014	Discrete	1.0	0.039	0.54	--	0.12	--	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.18	--	< 0.00050	< 0.00050	< 0.00050	0.012		< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
BN-2	2/5/2014	Discrete	1.0	0.055	0.16	--	0.15	--	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.047	--	< 0.00050	< 0.00050	< 0.00050	0.016		< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
BN-3	2/5/2014	Discrete	1.0	0.30	1.0	--	1.1	--	< 0.00050	< 0.0050	< 0.0050	< 0.050	< 0.00050	0.063	--	< 0.00050	< 0.00050	< 0.00050	0.10		< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.00050	< 0.050
Environmental Screening Levels ⁽¹⁾ Residential / Commercial				2.4 / 10	1.7 / 4.0	1,100	1.7 / 4.0	4.3	0.032 / 0.13	--	--	0.44 / 1.7	--	0.0023 / 0.0023		0.0046 / 0.0046			0.00065 / 0.00065			--	0.013 / 0.013	0.014 / 0.014	19 / 19	0.00042 / 0.00042
CHHSLs ⁽²⁾ Screening Levels Residential / Commercial				2.3 / 9.0	1.6 / 6.3	--	--	--	0.033 / 0.13	--	--	0.43 / 1.7	--	0.035 / 0.13	--	--			21 / 230			0.5 / 2.0	0.13 / 0.52		340 / 3,800	0.46 / 1.8

Notes

- 1 = Environmental Screening Levels (ESLs): California Regional Water Quality Control Board - San Francisco Bay Region has prepared and provided these ESLs in a document entitled: Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater (interim Final, November 2007, Revised February 2013). The ESLs are intended to provide guidance on whether or not remediation of detected contamination should be warranted. The ESLs used for this table were obtained from the above referenced document, Table A. Shallow Soils (<3m), Groundwater IS a current or potential Source of Drinking Water. The ESL document categorizes TPH as either gasoline, middle distillates, or residual fuels. "Middle distillates" are considered to include diesel fuel, kerosene, stoddard solvent, heating fuel, and jet fuel, whereas "residual fuels" include fuel oil (bunker fuel), lubricating oils (motor oil, oil and grease, waste oils) and asphalts.
- 2 = California Human Health Screening Levels for Soil (CHHSLs): The California Human Health Screening Levels are concentrations of 54 Hazardous Chemicals in soil or soil gas that the California Environmental Protection Agency (Cal/EPA) considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHA) on behalf of Cal/EPA.
- 3 = Practical Quantitation Limits (PQL) used - see lab sheets
- ND = Not Detected at or above the laboratory RL.
- J = Laboratory reports values reported between MDL and RL should be considered as estimated
- < # = Reporting limit elevated due to laboratory sample dilution. Value reported as less than elevated laboratory reporting limit, X.
- BOLD = Analytical results above CHHSL or Commercial ESL

Table 3: Additional Soil Sample Results - February 5, 2014

Total Petroleum Hydrocarbons (TPH) and Metals Analysis

Tennant Avenue Agricultural Parcels, Morgan Hill, CA

Soil results are in parts per million (mg/kg)

Sample Information				Total Petroleum Hydrocarbons by Luft/FFP			LUFT-5 Metals by EPA-6010B				
Sample ID#	Sample Date	Sample Type (discrete or composite)	Depth (ft. below ground surface)	TPH - Gasoline	TPH - Diesel	TPH - Motor Oil	Cadmium	Chromium	Lead	Nickel	Zinc
BN-1	2/5/2014	Discrete	1.0	< 20	< 10	76	< 0.50	49	35	62	86
BN-2	2/5/2014	Discrete	1.0	< 9.9	24	180	< 0.50	44	29	59	94
BN-3	2/5/2014	Discrete	1.0	< 27	37	750	0.080	54	270	70	160
Environmental Screening Levels ⁽¹⁾ Residential / Commercial				100 / 500	100 / 110	100 / 500	12 / 12	1,000 / 2,500	80 / 320	150 / 150	600 / 600
CHHSLs ⁽²⁾ Screening Levels Residential / Commercial				--	--	--	1.7 / 7.5	--	150 / 3,500	1,600 / 16,000	23,000 / 100,000

Notes

- 1 = Environmental Screening Levels (ESLs):** California Regional Water Quality Control Board - San Francisco Bay Region has prepared and provided these ESLs in a document entitled: Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater (interim Final, November 2007, Revised February 2013). The ESLs are intended to provide guidance on whether or not remediation of detected contamination should be warranted. The ESLs used for this table were obtained from the above referenced document, Table A. Shallow Soils (<3m), Groundwater IS
- 2 = California Human Health Screening Levels for Soil (CHHSLs):** The California Human Health Screening Levels are concentrations of 54 Hazardous Chemicals in soil or soil gas that the California Environmental Protection Agency (Cal/EPA) considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard
- 3 = Practical Quantitation Limits (PQL)** used - see lab sheets
- J = Laboratory reports values reported between MDL and RL should be considered as estimated
- < # = Value reported as less than laboratory reporting limit, X.
- BOLD** = Analytical results above CHHSL or Commercial ESL

APPENDIX A

COLLECTED *PHASE I* ESA INFORMATION

- Site Inspection Checklist with Photo Sheet
- User Questionnaire
- Interviewing Documentation



Phase I Environmental Site Assessment
Site Inspection Checklist

Objective: To visually evaluate and document the extent of the target property(ies) for the likely presence of *recognized environmental conditions*. Photodocumentation gathered during the site inspection are appended at the end of this form.

Site/Facility Name: Tennant Ave Ag Site

Site Address: Tennant Avenue Ag Parcels,

Site Contact: Gordon Jacoby (current owner) / Ian Teresi (George Ciala Farms)

- 1. Current Uses of the Property:** *To include (1) general description of the facility & commercial or industrial processes therein, (2) topography, (3) site improvements [# of buildings, size/age/condition], (4) occupants/vacancies and the nature of business operations, and (5) any indications of past site use.*

The Site is currently developed as agricultural row crops, with various pepper varieties remaining after summer harvest. Minimal evidence of the former orchard blocks at the Site was observed (a few remaining trees). The Madrone irrigation ponds run along the western perimeter and separate the Site from Highway 101 and its off-ramp. These ponds run along a large extent of the eastern side of the Highway 101 corridor.

The sole permanent structure at the Site is a small barn (~200 sq-ft), that has an a large valve pipe that runs inside from the exterior. While the barn structure was not accessible, it appeared to have minimal storage of old boards, irrigation piping and a tire. No evidence of recent usage was observed.

Site topography is flat-lying.

Project #: 2X342 - Tennant Ave ESA

Date: 10/09/2013

Inspector: Jacob Aman

2. Site Infrastructure:**Yes****No****Notes:**

- Any wells, water tanks or water towers?
- Boiler rooms?
- Electrical transformers?
- Septic System?
- Drainage wells or dry wells?

☒☐☐☒☐☒☐☒☐☒

Note observations and data for heating sources, water supply source(s), solid waste disposal and electrical systems.

A single irrigation water supply well and pump house was observed in the northeast corner of the property, near the small barn. The well appeared in good condition and is contained within a small shed.

3. Evidence of Hazardous Materials Storage & Use (check appropriate):**Yes****No**

- Haz-mat storage area(s)? Location?
- Abandoned drums or containers?
- Aboveground Storage Tanks?
- Underground Storage Tanks?
- Fuel or Chemical Dispensing Equipment or vent piping?
- Pools of liquid? Characteristics?
- Sumps, oil/water separators and collection pits?
- Unusual Odors, staining or distressed vegetation?

☐☒☐☒☐☒☐☒☐☒☐☒☐☒☐☒

Only anhydrous ammonia containers (described above) were observed at the Site. Two (2) 500-gallon anhydrous ammonia fertilizer containers were observed near Tennant Avenue by the small barn structure. The tanks were on wooden pallets and appear to be stored on-site only temporarily for seasonal farming purposes.

Project #: 2X342 - Tennant Ave ESA

Date: 10/09/2013

Inspector: Jacob Aman

HAZ-MAT CONTINUED:

4. Exterior Observations:

Yes

No

- | | |
|-------------------------------------|-------------------------------------|
| ☐ | ☐ |
| ☐ | ☒ |
| ☒ | ☐ |
| ☐ | ☒ |
| ☐ | ☒ |
| ☐ | ☐ |
| ☒ | ☐ |

The Madrone irrigation ponds run along the western perimeter and separate the Site from Highway 101 and its off-ramp. These ponds run along a large extent of the eastern side of the Highway 101 corridor.

5. **Interior Observations:**

Yes

No

- Maintenance Areas?
- Hydraulic equipment?
- Interior floor staining, cracking or patching?
- Interior floor drains? Outlet Sump?
- Interior floor integrity (good, satisfactory or poor)?

☐☒☐☒☐☒☐☒☐☒

The small barn structure appeared to have gravel flooring, with no indications of current maintenance or storage of agricultural equipment, or other indications of recent usage. A valve pipe surfaces in front of the small barn (facing Tennant Ave) and runs inside of the small barn through a screened hole in the front of the structure (see Site reconnaissance photos).

6. **Describe Adjoining Site Land Uses and Note Any Areas of Concern:**

North: Tennant Avenue, several hotels, Morgan Hill Aquatics Center, agricultural fields and undeveloped parcels

East: orchards, agricultural fields

South: orchards

West: Highway 101, beyond the highway is mixed residential and agricultural land-use

7. **Any inaccessible Areas of the Property:**

The interior of the barn was not observed due to inaccessibility, however a good view through a crack in the front door revealed minimal storage of wood, irrigation piping and a tire.

Project #: 2X342 - Tennant Ave ESA

Date: 10/09/2013

Inspector: Jacob Aman

ADDITIONAL INFORMATION OBTAINED & UTILIZED DURING SITE INSPECTION

	Yes	No
Photo Sheets	☒	☐
Hazardous Materials Management Plans (HMMP)	☐	☒
Permits	☐	☒
Previous Reports/Inspections	☐	☒
Other	☐	☐

Project #: 2X342 - Tennant Ave ESA
Date: 10/09/2013
Inspector: Jacob Aman



Phase I Environmental Site Assessment
User/Client Questionnaire

Overview: *Phase I Environmental Site Assessment (ESA)* standards¹ require that the party requesting this ESA (i.e., the “**user**”, or **client**), make a good faith effort to provide and/or obtain the following disclosure items, which are generally available during the property transaction escrow process:

- Reason for contracting this Phase I ESA
- Knowledge of any environmental liens or agency restrictions on the property
- Specialized knowledge of the property
- Any discounts to the property fair-market value associated with chemical spills or releases
- Commonly known (“reasonably ascertainable”) information regarding chemical storage/use
- Available environmental reports

Please provide the following information to the best of your ability.

Site/Facility Name: Agricultural Parcels

Site Address: APNs 817-140-04, 817-140-09, & 817-140-05

Name/Title: City of Morgan Hill (buyer)

1. Reason for Performing this ESA (check appropriate):

- ☐ Lender: Property sale requirement for lender
- ☒ Buyer: Due diligence property screening by buyer.
- ☐ General Liability: “Landowner Liability Protections” (LLPs) as per Federal environmental laws
- ☐ Personal Comfort Level: Better understanding of land uses & potential environmental liabilities
- ☐ Other: _____

2. Environmental Cleanup Liens (check appropriate):

Yes ☐ No ☒

Are you aware of any **environmental liens** placed on the property by a regulatory agency (Federal, State or Local)?

If **yes**, please provide details:

¹: ASTM Standard E 1527-05 and EPA All Appropriate Inquiries (AAI) guidelines,

3. **Land-Use Limitations** (check appropriate):

Yes ☒ No ☐

Are you aware of any "**Activity Land-Use Limitations**" (AULs) placed upon the Site by Federal, State or Local regulatory agencies such as engineering or institutional controls?

If **yes**, please provide details: Zoning designation as agricultural uses

4. **Specialized Knowledge of the User/Client** (check appropriate):

As the person or entity requesting this *Phase I ESA* ("user"), do you have any specialized knowledge or experience pertaining to the subject Site or nearby/adjoining property that would give you distinct knowledge of chemical usage and/or industrial processes at the subject Site?

Yes ☐

No ☒

Are you a current or former occupant of the Site?

Yes ☐

No ☒

Are you involved in the same type of business/industry, and are familiar with commercial/industrial processes or chemical storage

If **yes**, please provide details: _____

5. **Comparison of Purchase Price to Fair Market Value** (check appropriate):

To the extent of your knowledge, does the requested purchase price of the subject Site reflect the fair market value of the property? If a discrepancy is present, have you considered whether the lower purchase price is due to environmental contamination believed to be or known to be present at the Site?

Yes ☐ No ☒

Does the property purchase price reflect a discounted value relative to fair market value?

Yes ☐ No ☐

If the property is being sold below fair market value, is the reason attributed to a known/perceived chemical release (i.e., contamination)

If **yes**, please provide details: _____

6. “Reasonably Ascertainable Information” (brief description):

Are you aware of any **commonly known** or **reasonably ascertainable information** pertaining chemical storage/usage on the subject Site? Specifically:

a) Prior Land Use(s): Do you know previous land use(s) at the subject Site (land uses/businesses)?

Currently used for agricultural purposes. Chemical storage is unknown.

b) Chemical Use or Storage: Do you know of any current or historical use/storage/generation of chemicals, fuels, or hazardous waste at the subject Site?

Assume that soil tillage and harvesting occurs using mechanical devices running on gasoline or diesel fuel.

c) Chemical Releases: Are you aware of any reported or unreported chemical spills or releases that occurred at the subject Site? *[Current or Historical]*

No.

d) Environmental Clean-ups: Are you aware of any reported or unreported environmental cleanups that have occurred at the subject Site? *[Current or Historical]*

No.

7. Degree of Obviousness of Contamination:

Based on your knowledge of the property, are you aware of any obvious indicators that would suggest the presence (or likely presence) of contamination at the subject Site?

No.

8. Helpful Documents: Are you aware of existing reports (listed below) for the subject Site?

Yes

No

☐☒

Previous Phase I or Phase II ESAs

- ☐ ☒ *Hazardous Materials Management Plans* (HMMPs) or Chemical Storage Inventories
- ☐ ☒ Industrial Stormwater Monitoring Plans/Reports (SWPPPs or compliance reports)
- ☐ ☒ Permitting or Documentation re: Aboveground or Underground Storage Tanks
- ☐ ☒ Hazardous Waste Generator notices, disposal manifests, or compliance reports
- ☐ ☒ Regulatory directives or *No Further Action (NFA)* letters.

If yes to any of the above, please provide details (year, author/consultant if possible):

While I have no direct knowledge of the documents, I would assume that the current owners of the land commissioned a Phase I study before completing their purchase.

Additional Comments & Extra Space for Affirmative Answers?

To the best of my knowledge I attest that the above information is true:

Signature: Anthony Eulo

Digitally signed by Anthony Eulo
DN: cn=Anthony Eulo, c=US, o=City of Morgan Hill, email=anthony.eulo@morganhill.ca.gov
Reason: I am the author of this document
Date: 2013.09.27 11:29:58 -07'00'

Date: September 27, 2013

Title: Program Administrator

Reference: Information & Definitions

As per **ASTM Standard E 1527-05** and **EPA All Appropriate Inquiries (AAI)**, the **user** (i.e. the party requesting this Phase I ESA), is required to provide a short list of items that are more readily available to the parties involved with the property transaction. This information is used to support the case for the **user** of the ESA to qualify for one of the *landowner liability protections* (LLPs) defenses under Federal environmental law.

"In order to qualify for one of the Landowner Liability Protections (LLPs²) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the 'Brownfields Amendments'), the user must provide the following information (if available) to the environmental professional [Weber, Hayes and Associates]. Failure to provide this information could result in the determination that 'all appropriate inquiry' is not complete."

²: From ASTM E 1527-05: "Landowner Liability Protections (LLPs), is the term used to describe the three types of potential defenses to Superfund liability in the EPA's *Interim Guidance Regarding Criteria Landowners Must Meet to Qualify for Bona Fide Prospective Purchaser, Contiguous Property or Innocent Landowner Limitations* under CERCLA Liability issued March 6, 2003."



COMMUNICATION RECORD

Date	11/04/2013	Time	1:30 PM
To/From	Gordon Jacoby	Company	Current Owner
Phone #	510.339.6367	Address	
Subject	Follow-up Interview Regarding Tennant Ave Parcels		

NOTES:

Been in charge of Site for 12 years under option to purchase, and took the property title in 2008 or 2009.

Prune and walnut orchards, the remainder of the trees were removed from the property in 2008-2009, and the fields were subsequently leveled to prepare for row-cropping. The former orchards were a combination of walnut and prune trees.

Additional information provided by Mr. Jacoby is documented in the attached email correspondence.

COPIES TO: 2X342

RECORDED BY: Jacob Aman



1. View of the western property perimeter facing northwest - Highway 1 and Madrone Ponds to the left



2. View of Madrone Ponds



3. Access Road between Fisher Ave and Highway 101 facing west



4. Facing South with Highway 101 in background



5. Olin Plume monitoring well on Fisher Avenue



6. Olin Plume monitoring well on Fisher Avenue



7. View of pepper crops (Site) from southern perimeter



8. Pepper varieties (current usage of property)



9. Northeast corner of Site along Tennant Ave, with flexible irrigation line running from well/irrigation pump



10. Pepper crops decomposing (harvest complete)



11. Pump/filtration system for irrigation



12. Temporary storage of ammonia fertilizer



13. Fertilizer label



14. Documenting size of tanks



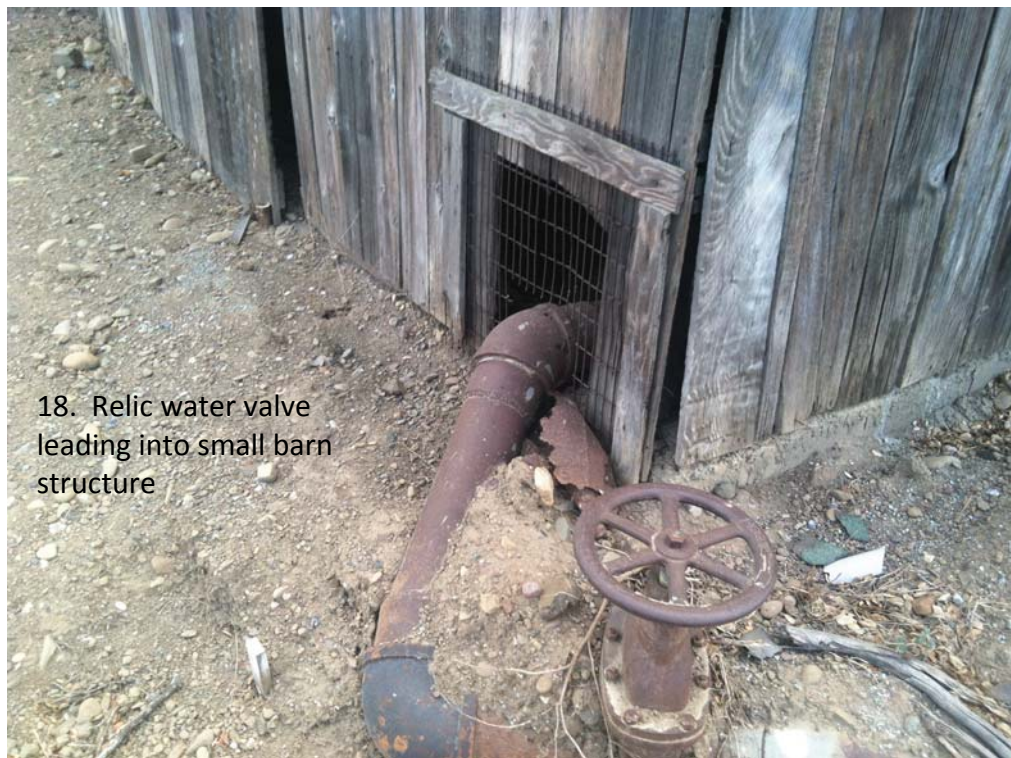
15. Irrigation pump system



16. Irrigation valves



17. Electrical panel for pump/well system



18. Relic water valve
leading into small barn
structure



19. Valve along Tennant Ave leading to small
barn structure



20. Facing northeast
along Tennant Ave, barn
visible on right



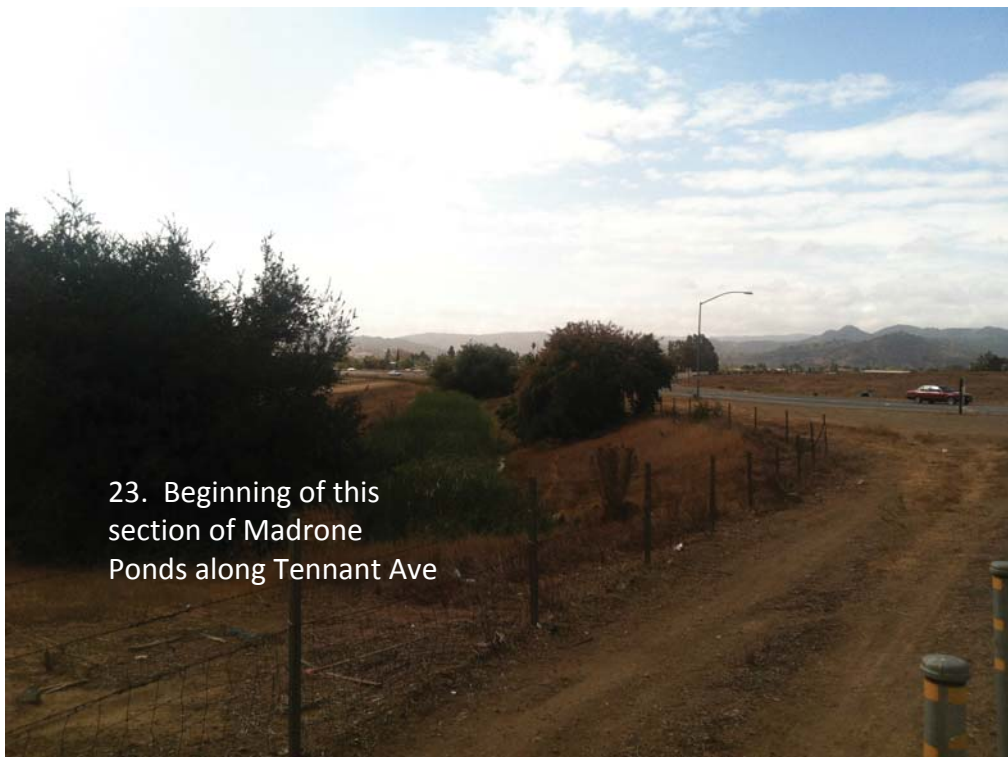
Relic water line that runs into small barn



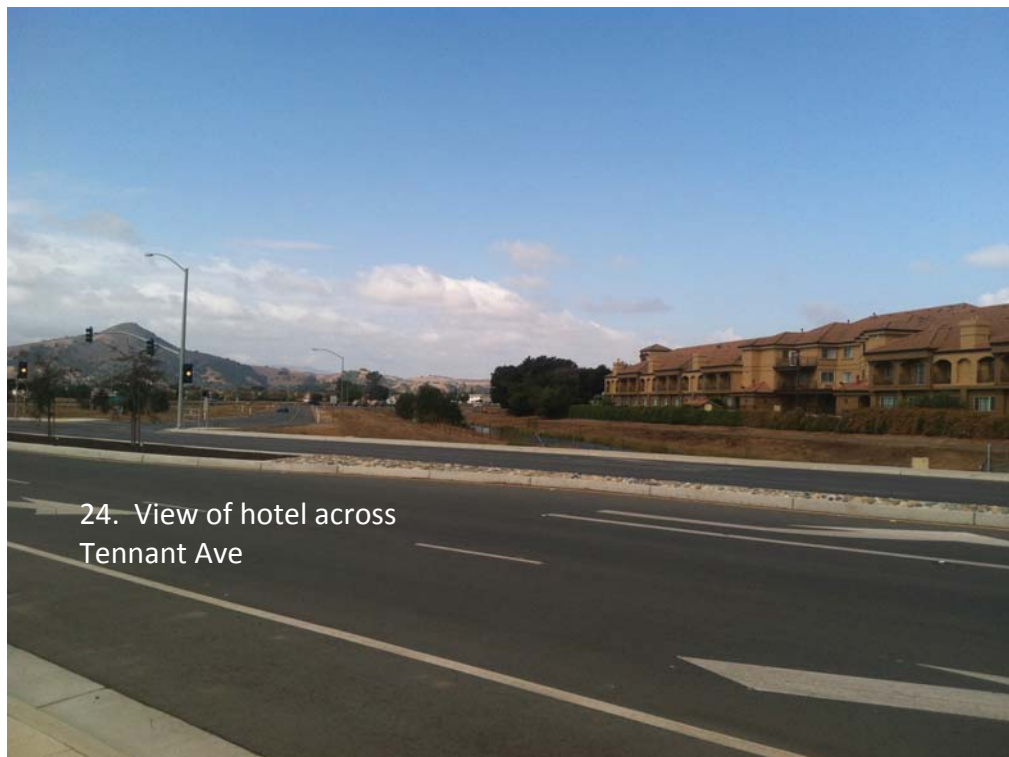
21. Facing southwest along Tennant Ave with Highway 101 overpass visible



22. Facing north, intersection of Condit Road and Tennant Ave



23. Beginning of this section of Madrone Ponds along Tennant Ave



24. View of hotel across Tennant Ave



25. Inside small barn -
no infrastructure of
hazardous materials
storage visible



26. View of current
well and pump sheds



27. Well head



28. PVC pipe
protruding surface
near barn -- farmer
reported this as part of
the irrigation system



Documentation of
shallow soil field
sampling



APPENDIX B

HISTORICAL RESEARCH REPORTS (EDR)

- **City Directory Listings**
- **Aerial Maps**
- **Sanborn Maps** (*no coverage available*)
- **Historical Topo Maps**

Tennant Avenue Ag Site

APNs# 817-140-04, 817-140-09, & 817-140-05
Morgan Hill, CA 95037

Inquiry Number: 3732253.6
September 24, 2013

The EDR-City Directory Image Report

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

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

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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>
2011	☒	☒	Haines Criss-Cross Directory
2005	☒	☒	Haines Criss-Cross Directory
2000	☒	☒	Haines Criss-Cross Directory
1996	☒	☒	Haines Criss-Cross Directory
1991	☒	☒	Haines Criss-Cross Directory
1986	☒	☒	Haines Criss-Cross Directory
1980	☒	☒	Haines Criss-Cross Directory
1975	☒	☒	Haines Criss-Cross Directory
1970	☐	☐	Haines Criss-Cross Directory

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FINDINGS

TARGET PROPERTY STREET

APNs# 817-140-04, 817-140-09, & 817-140-05
Morgan Hill, CA 95037

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

Fisher Ave

2011	pg A1	Haines Criss-Cross Directory
2005	pg A2	Haines Criss-Cross Directory
2000	pg A3	Haines Criss-Cross Directory
1996	pg A4	Haines Criss-Cross Directory
1996	pg A5	Haines Criss-Cross Directory
1991	pg A6	Haines Criss-Cross Directory
1986	pg A7	Haines Criss-Cross Directory
1980	pg A8	Haines Criss-Cross Directory
1980	pg A9	Haines Criss-Cross Directory
1975	pg A10	Haines Criss-Cross Directory
1970	-	Haines Criss-Cross Directory

Street not listed in Source

FINDINGS

CROSS STREETS

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

Condit Rd

2011	pg. A11	Haines Criss-Cross Directory	
2005	pg. A12	Haines Criss-Cross Directory	
2000	pg. A13	Haines Criss-Cross Directory	
2000	pg. A14	Haines Criss-Cross Directory	
1996	pg. A15	Haines Criss-Cross Directory	
1991	pg. A16	Haines Criss-Cross Directory	
1986	pg. A17	Haines Criss-Cross Directory	
1986	pg. A18	Haines Criss-Cross Directory	
1980	pg. A19	Haines Criss-Cross Directory	
1975	pg. A20	Haines Criss-Cross Directory	
1970	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

Fisher Ave

2011

715	● TORRES Felipe	408-779- 3321	
720	★ VALENTI CONSTRUCTION	408-779- 2615	
730	● UPTON Ralph	408-779- 3356	4
755	XXXX	OO	
780	● BARRIOS Lucio	OO	
	SALAS Mary	OO	+ 1
795	CAMACHO Leonila	408-779- 4764	5
	● VEGA Jesus	OO	5
835	XXXX	OO	
870	★ A-A LOCK & ALARM INC	408-776- 9501	8
1175	● CHENG David	OO	
X	MURPHY AVE		
1310	XXXX	OO	
1320	XXXX	OO	
1430	NISHIMURA S	408-779- 2784	
1500	● BREWKA Richard	OO	
1505	KIM Myungsam	408-776- 8807	6
	● KOH Jung	OO	
X	RANCHERO DR		
1557	♣ ● BARRERAS Todd	OO	

Fisher Ave

2005

715	★ 7 OAKS HOME CENTER	408-779-5415	0
	● TORRES Felipe	408-779-3321	
720	★ VALENTI	408-779-2615	6
	CONSTRUCTION		
730B	● UPTON Ralph	408-779-3356	
755	CABRERA Juan	408-778-6979	+5
	CHEN Rong	408-776-0268	4
780	● BARRIOS Lucio	OO	9
	SALAS Mary	408-779-4153	+5
795	● GALLACINAO Fred	OO	8
870	○ RODRIGUEZ Julie	408-782-7813	8

X

MURPHY AVE

1175	● CHENG David	OO	
1320	XXXX	OO	
1430	NISHIMURA S	408-779-2784	

X

RANCHERO DR

1500	● BREWKA Richard	OO	7
1505	● KOH Jung	OO	1
1557	● BARRERAS Todd	OO	8

X

ELLIS AVE

1590	● BLASER Steve V	408-778-5710	8
	LAZENBY Nancy L	408-778-5710	8

Fisher Ave

2000

700	LEVIN David	408-782-0936	7
715	●TORRES Felipe	408-779-3321	
720	★VALENTI	408-779-2615	6
	CONSTRUCTION		
	●VALENTI James	OO	4
730	●UPTON Ralph	408-779-3356	
780	●BARRIOS Lucio	OO	8
795	CHENG Sau Hong	408-779-1378	7
835	●SUGISHITA Thomas	OO	+9
870	MOYA Ignacio Perez	408-782-0654	+9
	RODRIGUEZ Julie	408-782-7813	8
	●YOSHII Sumiko	OO	+9
1175	BLUM David	408-778-2107	8
	●CHENG David	OO	+9
1310	●GERA Karla	OO	+9
1320	XXXX	OO	
1430	●NISHIMURA S	408-779-2784	
X	MURPHY AV		
1500	●BREWKA Richard	OO	7
1505	●VICINENZO Max	OO	4
1556	●BARRERAS Todd	OO	4

Fisher Ave

1996

700	MASIAS Teodoro	776-7549	4
715	● TORRES Felipe	779-3321	
720	GARCIA Martin	779-2615	
	● VALENTI James	00	4

Fisher Ave

1996

..FISHER AV		95037 CONT..	
730	● UPTON Ralph	779-3356	
780	ANTONIO Danny	778-0865	8
	● BARRIOS Lucio	00	4
795	LOZA Salvador	778-6911	+5
	★ SHIOYA NURSERY INC	779-4264	
	● SHIOYA Tamio	778-0533	
835	XXXX	00	
870	XXXX	00	
1320	YSIT J A	776-1164	+5
1430	NISHIMURA S	779-2784	
1500	● BREWKA Richard	00	4
	FOUST Jennifer	779-3085	+5
1505	● VICINENZO Max	00	4
1556	● BARRERAS Todd	00	4
1580	XXXX	00	

Fisher Ave

1991

700	LOMAS Fred	778-5118	6
715	TORRES Felipe	779-3321	
720	GARCIA Martin	779-2615	
730	UPTON Ralph	779-3356	
780	ANTONIO Danny	778-0865	8
	LOPEZ Pete	779-2842	
795	★SHIOYA NURSERY INC	779-4264	
	SHIOYA Tamio	778-0533	2
835	XXXX	00	
870	LAPLANT David	779-3624	1
	LAPLANT Madeline	779-3624	
1175	XXXX	00	
1320	XXXX	00	
1430	NISHIMURA G	779-2784	
1556	JONES Robt G	778-0212	+0
	JONES Rochelle	778-0212	+0
1580	XXXX	00	
1590	XXXX	00	
1625	GIORDANO Pete	779-3618	

Fisher Ave

1986

700	LOMAS FRED	778-5118	+6
715	TORRES FELIPE	779-3321	
720	GARCIA MARTIN	779-2615	0
730	UPTON RALPH	779-3356	
780	LOPEZ PETE	779-2842	0
795	★SHIOYA NURSERY INC	779-4264	
	SHIOYA TAMIO	778-0533	2
	WADA HITOMI	779-2250	5
	WADA KEINOBU	779-2250	
835	PERRY KRIS	778-1594	
	PERRY MARK	778-1594	
870	LAPLANT DAVID	779-3624	
	LAPLANT MADELINE	779-3624	1
1175	ZELLER KARL F	779-6212	5
1320	ALVERNAZ ANNE	779-8691	
	ALVERNAZ FRANK	779-8691	4
1430	NISHIMURA G	779-2784	
1556	WOODSIDE LORRAINE	778-1782	4
1580	XXXX	00	
1590	XXXX	00	
1625	GIORDANO PETE	779-3618	

Fisher Ave

1980

700	XXXX	00
715	TORRES FELIPE	779-3321
720	GARCIA MARTIN	779-2615 +0

Fisher Ave

1980

..FISHER AV		95037 CONT..	
	VALENTI JAMES	779-2279	
730	UPTON RALPH	779-3356	
780	LOPEZ PETE	779-2842	+0
795	SHIOYA NURSERY INC	779-4264	4
	SHIOYA SHIGERU	779-6019	8
835	XXXX	00	
870	COMBIE MADELINE	779-3624	5
	COMBIE SYLVIA	779-2624	5
900	XXXX	00	
1310	XXXX	00	
1320	XXXX	00	
1430	NISHIMURA G	779-2784	
1556	GITMED DAVID	779-2463	7
	SANTA CLR VLY MKT	779-2463	4
1580	CALLAWAY FREIDA M	779-8886	7
1590	XXXX	00	

Fisher Ave

1975

698	XXXX	00
700	HASSLER JOHN W	779-4683 4
715	TORRES FELIPE	779-3321
720	VALENTI JAS	779-2279
730	UPTON RALPH	779-3356
795	SHIOYA MINORU	779-7521+5
	*SHIOYA NURSERY INC	779-4264 4
	SHIOYA TOM	779-5523 4
835	XXXX	00
870	COMBIE MADELINE	779-3624+5
	COMBIE SYLVIA	779-2624+5
900	XXXX	00
1310	GIORDANO SAML	779-3728
1320	GIORDANO ROBT	779-9280
1430	NISHIMURA G	779-2784
1556	GITMED DAVID	779-2463 4
	*SANTA CLRA VLY MKT	779-2463 4
	SIMMONS SAMMIE	779-9570 2
1580*	RIC DAC BEAGLES	779-4586+5
1590	POGODA EDWIN	779-4278 2

Condit Rd 2011

8	★ BENITEK USA COMPUTER	408-254-3750	9
★	DINH SCOTT OD	408-321-8283	9
★	FAST PACE RACING	408-943-8283	8
★	HUNG VUONG INST	408-433-3806	+1
★	K & H INCOME TAX	408-383-9303	8
★	LITTLE FLOCKS EDCTN DVLP CNTR	408-456-6978	8
90	★ LUNDY DENTAL CARE	408-324-1405	9
★	MICRO LINEAR CORP PHONE	408-433-5200	2
★	PHO Y LUNDY INC	408-526-0880	8
★	RONG CHANG USA CORPORATION	408-321-9988	+1
6	★ SALON MING	408-428-9109	9
2050			
X	LUNDY AVE		
2071	★ GREEN CIRCUITS	408-526-1700	6
2090	XXXX	OO	
X	QUME DR		
★	57 BUS 15 RES 11 NEW		
CONDIT RD 95037			
MORGAN HILL			
WEALTH CODE 9.0			
X	TENNANT AVE		
16115	★ RAMADA	408-779-7666	7
16131	ALVAREZ Christine	OO	+1
	OW Ue	OO	
16141	XXXX	OO	
16175	★ HOUSE OF THUNDER HARLEY DAVISON	408-776-1900	4
16195	★ PATIO WORLD	408-782-5855	8
16200	★ MORGH HL AQUATICS CENTER	408-782-2134	4
16225	★ COMFORT INN	408-778-3400	7
16245	★ MICROTTEL INN& SUITES	408-782-5000	
X	BARRETT AVE		
X	SAN PEDRO AVE		
16505	★ EXECUTIVE INN SUITS	408-778-0404	
16525	★ QUALITY INN HOTELS RES WRLDWDE	408-779-0447	9
16695	XXXX	OO	
16725	★ PAN PACIFIC RV CENTERS	408-779-5999	9
X	E DUNNE AVE		
16825	★ LAS PALMAS FINE MEXICAN	408-779-7400	5
16995	★ CARL S JR UNIT 7019	408-779-6411	
17005	★ RAT PETROLEUM	408-778-9912	
17015	★ JACK IN THE BOX	408-778-1078	
17020	 BUILDING		
140	★ CHRISTINE'S SALON	408-776-7546	
★	CIGAR LAND	408-782-5811	+1
180	★ CONdit DENTAL	408-778-4548	
★	EUROPEAN GROCERY	408-778-7110	+1
170	★ KINGS CLEANER	408-782-7000	
130	★ SUBWAY SANDWICHES	408-776-0038	
★	U-HAUL NBRHD DLR - STRW HAT	408-779-4792	9
17020			
17025	★ MCDONALD'S	408-782-0739	
17035	★ HOLIDAY INN EXPRESS HOTEL	408-776-7676	
17045	★ FORD STORE THE	408-782-8201	4
X	DIANA AVE		
17555	PENA Mary J	408-779-5014	
17815	PHONG Sam	408-778-7801	0
	WU Michael	OO	+1
17905	★ GRANDQUIST Richard	OO	
X	HALF RD		
★	23 BUS 8 RES 4 NEW		
CONDOR CIR 95118			
SAN JOSE			
WEALTH CODE 9.0			
X	PARK MANOR DR		
5701	★ SASSCER John	OO	4
5707	★ ZHANG Feng	OO	5
5708	★ MONTAZERI Reza	OO	2
5709	★ LOMBARDO Samuel	OO	
5712	★ BRUNS Bernice	OO	6
5713	★ AMERAL Terry	OO	+1
	★ WALKER John	OO	6

Condit Rd 2005

2038	* AZTEC PRECISION INC	408-435-8383	2
	* MARTIN JOSEPH	408-432-1400	
	DISTRIBUTING		
2044	* CONCOURSE	408-432-0324	1
	PARTNERS LLC		
2050	* MICRO LINEAR	408-433-5200	2
2071	XXXX	OO	
2090	* NETWORK GENESIS	408-456-0703	+5
2092	* ALLIS DENTAL LAB	408-433-9908	+5
	* DEL FINANCIAL	408-232-7600	+5
	* LUNDY PLAZA	408-432-0130	+5
	* UNIXAR TECHNOLOGY	408-383-9228	+5
X QUME DR			
	* 34 BUS	2 RES	10 NEW

CONDIT RD 95037 MORGAN HILL

WEALTH CODE 9

16115	* INN AT MORGAN HL THE	408-779-7666	6
16130	* OW Ue	OO	9
16131	XXXX	OO	
16141	HOLLINGSWORTH Jason	408-782-9729	+5
16175	* HOUSE OF	408-776-1900	4
	THUNDER-HARLEY		
	DAVISON		
16200	* MORGAN HL AQUATICS	408-782-2134	+5
	PARK		
16225	XXXX	OO	
16245	* MICROTTEL INN&SUITES	408-782-5000	9
X BARRETT AVE			
X SAN PEDRO AVE			
16505	* EXECUTIVE INN SUITS	408-778-0404	
16525	* BEST WESTERN	408-776-1790	0
	COUNTRY INN		
	* BEST WESTERN INN	408-779-0447	
	* COUNTRY INN	408-779-0447	
16695	* GOLDEN OAK	408-779-8085	
	RESTAURANT		
16725	* DAN GAMELS RV CNTR	408-779-8220	
X E DUNNE AVE			
16995	* CARL'S JR UNIT 7019	408-779-6411	
17005	* RAT PETROLEUM	408-778-9912	6
17015	* JACK-IN-THE-BOX NO	408-778-1078	
	560		
17020	* CHRISTINE'S SALON	408-776-7546	9
	* CONDIT DENTAL	408-778-4548	0
	* DISCOUNT	408-779-4181	+5
	CIGARETTES		
	* KINGS CLEANER	408-782-7000	0
	* PIZZA HUT	408-779-0666	0
	* SUBWAY	408-776-0038	9
	* SWEET RETREAT	408-778-4299	0
17025	* MCDONALD'S	408-782-0739	7
	RESTAURANT		
17035	* HOLIDAY INN EXPRESS	408-776-7676	9
	HOTEL		
17045	* THE FORD STORE	408-782-8201	+5
X DIANA AVE			
17555	PENA Mary J	408-779-5014	
X E MAIN AVE			
17815	GARRIS Angelo	408-779-9477	
	* TSIGARIS Panagiotis	OO	0
17905	* FIRST UNITED	408-778-7311	2
	PENTECOSTAL CH		
	* GRANDQUIST Richard	OO	1
	* 24 BUS	8 RES	4 NEW

Condit Rd 2000

2036	★ SIPEX CORPBARVON DIV	408-473-8800	8
2038	★ JOSEPH M DISTRIBTNG	408-432-1400	
	★ S J TRADING CO INC	408-434-9222	5
	★ SIERRA PACIFIC WINDOWS	408-577-0280	6
2044	XXXX	OO	
2050	XXXX	OO	
2071	XXXX	OO	
2092	★ MICRO LINEAR CORP	408-433-5200	
X	QUME DR		
★	32 BUS 10 RES 7 NEW		
CONDIT RD 95037 MORGAN HILL			
WEALTH CODE 8.4			
16115	★ INN AT MORGAN HILL	408-779-7666	6
16130	● OW Ue	OO	+9
16131	GEORGE David	408-776-3340	8
	GEORGE Deborah	408-776-3340	8
16140	XXXX	OO	
16141	CHARGIN Jan	408-778-3272	7
16225	★ COMFORT INN	408-776-5151	+9
	★ ORVILLE WILLIAMS CONSTR INC	408-782-7184	+9
16245	★ MICROTTEL INN&SUITES	408-782-5000	+9
16252	XXXX	OO	
X	BARRETT AV		
X	SAN PEDRO AV		
16505	★ EXECUTIVE INN SUITS	408-778-0404	2
16525	★ BEST WESTERN INN	408-779-0447	
	★ COUNTRY INN	408-779-0447	
	● ETCHEBARNE R	OO	+9
16526	XXXX	OO	
16695	● ETCHEBARNE R	OO	+9
	★ GOLDEN OAK RESTAURANT	408-779-8085	4
X	DUNNE AV E		
16725	★ DAN GAMELS RV CNTR	408-779-8220	5
16995	★ CARLS JR UNIT 7019	408-779-6411	
	● ENSCH Donald	OO	+9
17005	★ RAT PETROLEUM	408-778-9912	6
17015	★ JACK IN THE BOX 560	408-778-1078	0
17020	★ CHRISTINE'S SALON	408-776-7546	+9
	★ SUBWAY-SANDWICHE- S&SALADS	408-776-0038	+9
17025	★ MCDONALD'S RESTAURANT	408-782-0739	7
17035	★ HOLIDAY INN EXPRESS HOTEL	408-776-7676	+9
X	DIANA AV		
17555	PENA Adolfo	408-779-5014	
17815	● GARRIS Angelo	408-779-9477	5

Condit Rd

2000

CONDIT RD	95037 CONT.
17905 ● VARGAS Jacqueline	408-779-7165
VARGAS Kenneth	408-779-7165
X HALF RD	
★ 16 BUS 14 RES 10 NEW	
CONDOR CIR 95118	
SAN JOSE	
WEALTH CODE 7.0	
X PARK MANOR DR	
5701 ● PATRICKSON P	OO +9
5707 ● OGILVIE Anna	OO +9
5708 ● MONTAZERI Reza	OO +9
5709 ● LOMBARDO Samuel	OO +9
5712 ● BRUNS Walter	OO +9
JAMITCKY Peter	408-979-1536 +9
5713 ● AMERAL Terry	OO +9

Condit Rd 1996

2050	XXXX	00	
2071	XXXX	00	
2090	XXXX	00	
2092	*MICRO LINEAR CORP	433-5200	
	*MICROLINEAR CORP	433-5200	
*	26 BUS	12 RES	6 NEW

CONDENSA (87) 95051 SANTA CLARA

2400	*ADOBE SYSTEMS	562-6700	4
2500	*PARALLAX GRAPHICS	727-2228	9
*	2 BUS	0 RES	0 NEW

CONDIT RD 95037 MORGAN HILL

WEALTH CODE 8.3

16130	XXXX	00	
16140	XXXX	00	
16141	XXXX	00	
16505	*EXECUTIVE INN SUITS	778-0404	2
16525	*BEST WESTERN INN	779-0447	6
	*COUNTRY INN	779-0447	8
16526	XXXX	00	
16695	*GOLDEN OAKS RSTRNT	779-8085	4
16725	*DAN GABLES RV CNTR	779-8220	+5
16995	*CARLS JR UNIT 7019	779-6411	
17005	*HOLIDAY SHELL	778-9912	8
17015	*JACK IN THE BOX 560	778-1078	0
17025	*CINDYS RESTAURANT	779-0931	8
17555	PENA Adolfo	779-5014	
17815	GARRIS Angelo	779-9477	+5
17905	*VARGAS Jacqueline	779-7165	3
	*VARGAS Kenneth	779-7165	
*	9 BUS	8 RES	2 NEW

CONDON CT 95050 SANTA CLARA

WEALTH CODE 4.0

345	*ZERVOGIANNIS H	00	4
347	*SURINA John A	243-3144	
	*SURINA John A	247-1715	0
349	*COSTELLO Patrick	00	
351	*CATALANO Gerald	247-1984	9
353	*HAPP George	00	
357	*DELGADO Renato	296-3960	

Condit Rd 1991

2044	★WESTEC PLASTICS	432-6161	8
2050	★CORRELATION GENETIC	433-9808	+0
2071	★RICOH SYSTEMS INC	434-6700	7
2090	XXXX	00	
2092	★MICRO LINEAR CORP	433-5200	9
	★MICROLINEAR CORP	433-5200	
	★ 31 BUS	5 RES	10 NEW

CONDENSA (87) 95051

SANTA CLARA

2500	★PARALLAX SYSTMS INC	727-2228	9
	★ 1 BUS	0 RES	0 NEW

CONDIT RD 95037

MORGAN HILL

16130	XXXX	00	
16140	XXXX	00	
16525	★BEST WESTERN INN	779-0447	6
	★COUNTRY INN	779-0447	8
16526	XXXX	00	
16695	★GOLDEN OAK RSTRNT	779-8085	6
16995	★CARLS JR	779-6411	
17005	★HOLIDAY SHELL	778-9912	8
17015	★JACK IN THE BOX 560	778-1078	+0
17025	★CINDYS RESTAURANT	779-0931	8
17555	★EL RANCHO GRANDE	779-9409	7
	PENA Adolfo	779-5014	5
17815	PURDY Richard	778-3129	3
	★ 8 BUS	5 RES	1 NEW

Condit Rd 1986

2036	★DIELECTRIC SMCNDCTR	945-8515	5
2038	★JAXS MOVING&STORAGE	946-6881	4
	★LOWTHER JACK	946-6881	4
	★SILLA IMPORTS	434-9222	+6
2044	★A M P A C	946-0700	+6
	★ADVANCED MEDIA PCKG	946-0700	+6
	★WESTEC PLASTICS	946-5151	0
2071	★RICOH SYSTEMS INC	946-6200	0
2090	★CLASSIC COMPONENTS	434-0777	+6
	★CLASSIC TECHNOLOGY	434-9333	+6
2092	★MICRO LINEAR CORP	262-5200	
	★MICROLINEAR CORP	262-5200	5
	★ 22 BUS 1 RES	7 NEW	
 CONDIT RD 95037			
MORGAN HILL			
16130	ALEXANDER N J	779-6249	+6
	ALEXANDER SUSAN D	779-6249	+6

Condit Rd

1986

..CONDIT RD		95037 CONT..
16140	XXXX	00
16525	★BEST WESTRN CNTRY	779-0447 +6
16526	★COUNTRY INN BST WST	779-0447 8
16695	★GOLDEN OAK RSTRNT	779-8085 +6
16995	★CARLS JR	779-6411 8
17025	★CINDYS RESTAURANT	778-9711 2
17555	PENA ADOLFO	779-5014 8
17815	PURDY RICHARD	778-3129 3
★ 5 BUS 5 RES		4 NEW
CONDON CT 95050		
SANTA CLARA		
345	ZERVOGIANNIS BOB	296-4830 9
347	SURINA JOHN A	243-3144
349	XXXX	00
351	CAIN CLARENCE	247-8885
	CAIN FRANCIS	247-8885 2
353	XXXX	00
357	DELGADO RENATO	296-3960 0

Condit Rd 1980

7140	SILKWOOD MIKE	842-0579	8
7145	SCHMIEDL EDWARD	847-2656	8
7150	RADER STUART	842-2617	8
★	0 BUS	10 RES	1 NEW

+ CONCOURSE DR 95131 SAN JOSE

2038	MEAD MERCHANDISING	946-3326	+0
2044	WESTEC PLASTICS	946-5151	+0
2071	RICOH SYS INC	946-6200	+0
★	3 BUS	0 RES	3 NEW

CONDIT AV 95037 MORGAN HILL

16130	ALEXANDER N J	779-0371	+0
16140	FULLERTON CLARA M	779-5544	8
16995	CARLS JR	779-6411	8
17025	CINDYS RESTAURANT	779-9835	7
★	2 BUS	2 RES	1 NEW

CONDON CT 95050 SANTA CLARA

345	ZERVOGIANNIS BOB	296-4830	9
347	SURINA JOHN A	243-3144	
349	HARDY DONNA	296-2577	9
	HARDY J R	296-2577	9
351	XXXX	00	
353	HAPP GEO	244-5980	
357	DELGADO RENATO	296-3960	+0

Condit Rd 1975

2844	BEAGLE CLYDE A	984-4756+5
2845	XXXX	00
2848	XXXX	00
2850	XXXX	00
2854	XXXX	00
2855	GOULD C E	248-9032 4
*	0 BUS 10 RES	2 NEW

CONDIT AV 95037 MORGAN HILL

16130	*RONS REPAIR	779-4642 4
17025	*CINDYS RESTAURANT	779-2219 4
17555	*ELRANCHO GRANDE	779-5191+5
*	3 BUS 0 RES	1 NEW

CONDON CT 95050 SANTA CLARA

345	CHAVES JACK	243-3028
347	SURINA JOHN A	243-3144
351	MCKIERNAN JOS J	243-3076
353	HAPP GEO	244-5980
357	XXXX	00
361	SARGENTINI BRUNO	243-3910
*	0 BUS 6 RES	0 NEW

Tennant Avenue Ag Site

APNs# 817-140-04, 817-140-09, & 817-140-05

Morgan Hill, CA 95037

Inquiry Number: 3732253.5

September 24, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography September 24, 2013

Target Property:

APNs# 817-140-04, 817-140-09, & 817-140-05

Morgan Hill, CA 95037

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1939	Aerial Photograph. Scale: 1"=500'	Flight Year: 1939	Fairchild
1956	Aerial Photograph. Scale: 1"=500'	Flight Year: 1956	Aero
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	WSA
1998	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1998	EDR
1999	Aerial Photograph. Scale: 1"=500'	Flight Year: 1999	WAC
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR



INQUIRY #: 3732253.5

YEAR: 1939

| = 500'





INQUIRY #: 3732253.5

YEAR: 1956

| = 500'





INQUIRY #: 3732253.5

YEAR: 1968

| = 500'





INQUIRY #: 3732253.5

YEAR: 1974

| = 500'





INQUIRY #: 3732253.5

YEAR: 1982

| = 500'





INQUIRY #: 3732253.5

YEAR: 1998

| = 500'





INQUIRY #: 3732253.5

YEAR: 1999

| = 500'





INQUIRY #: 3732253.5

YEAR: 2005

| = 500'





INQUIRY #: 3732253.5

YEAR: 2006

| = 500'





INQUIRY #: 3732253.5

YEAR: 2009

| = 500'





INQUIRY #: 3732253.5

YEAR: 2010

| = 500'





INQUIRY #: 3732253.5

YEAR: 2012

| = 500'



Tennant Avenue Ag Site

APNs# 817-140-04, 817-140-09, & 817-140-05

Morgan Hill, CA 95037

Inquiry Number: 3732253.3

September 18, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

9/18/13

Site Name:

Tennant Avenue Ag Site
APNs# 817-140-04, 817-140-
Morgan Hill, CA 95037

Client Name:

Weber, Hayes, & Associates
120 Westgate Drive
Watsonville, CA 95076

EDR Inquiry # 3732253.3

Contact: Jacob Aman



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Weber, Hayes, & Associates were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Tennant Avenue Ag Site
Address: APNs# 817-140-04, 817-140-09, & 817-140-05
City, State, Zip: Morgan Hill, CA 95037
Cross Street:
P.O. # 2X342
Project: Tennant Avenue Phase I/II
Certification # B6F1-4E1E-BB8E



Sanborn® Library search results
Certification # B6F1-4E1E-BB8E

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 Sanborn fire insurance maps, 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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Tennant Avenue Ag Site

APNs# 817-140-04, 817-140-09, & 817-140-05

Morgan Hill, CA 95037

Inquiry Number: 3732253.4

September 18, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

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

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

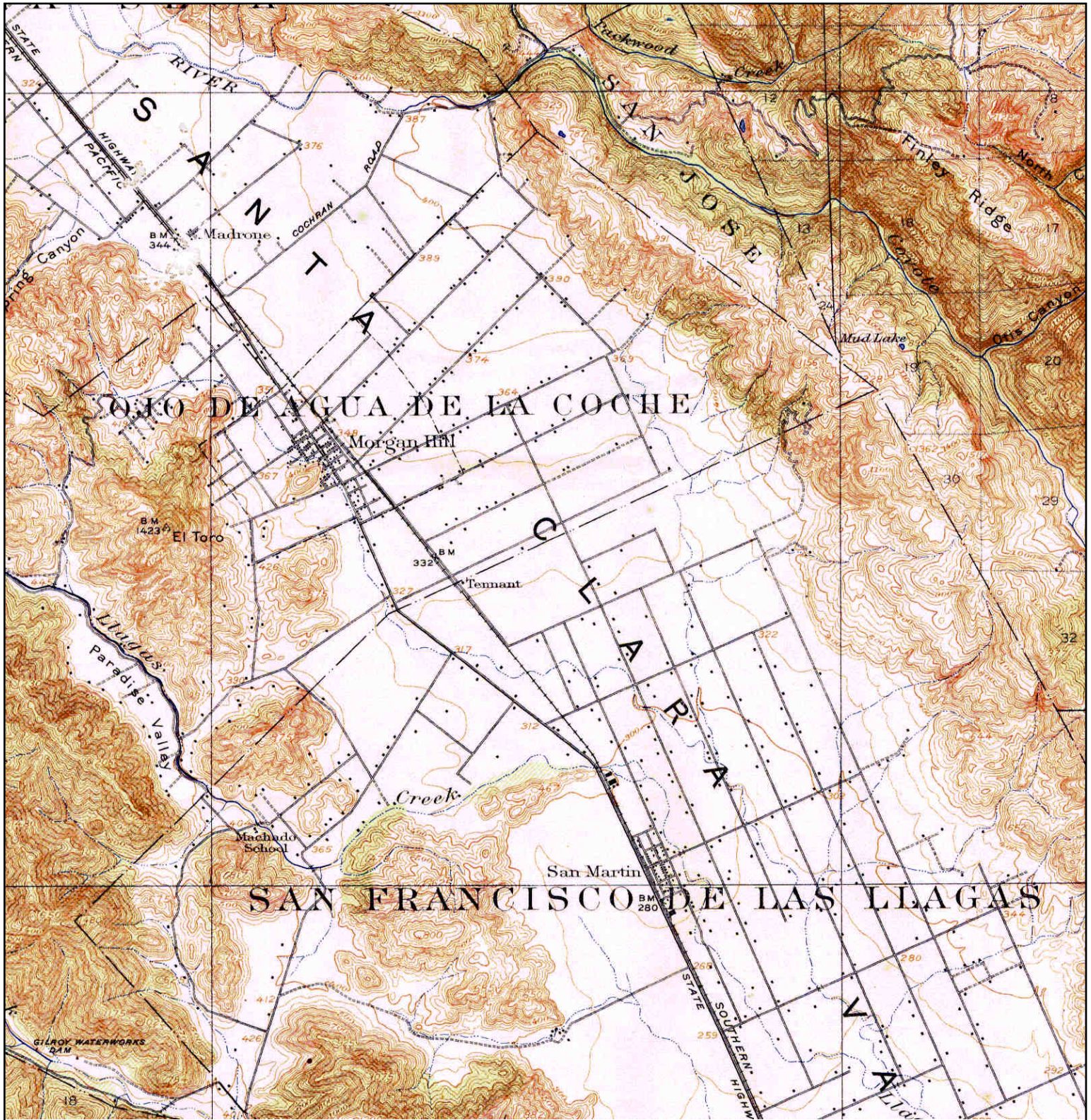
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Historical Topographic Map



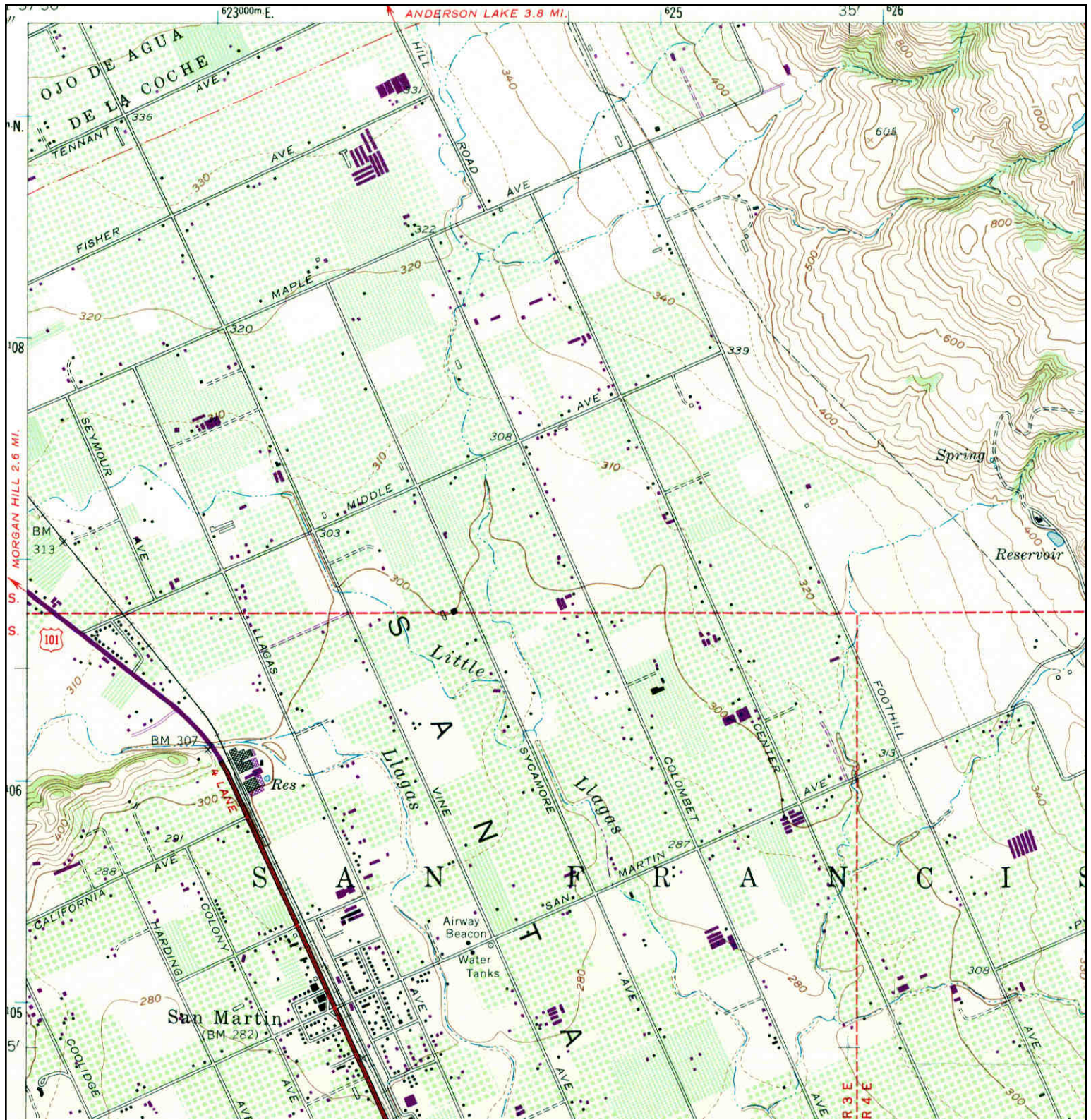
	TARGET QUAD	SITE NAME: Tennant Avenue Ag Site	CLIENT: Weber, Hayes, & Associates
	NAME: MORGAN HILL	ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05	CONTACT: Jacob Aman
	MAP YEAR: 1917	Morgan Hill, CA 95037	INQUIRY#: 3732253.4
	SERIES: 15	LAT/LONG: 37.1175 / -121.6225	RESEARCH DATE: 09/18/2013
	SCALE: 1:62500		

Historical Topographic Map



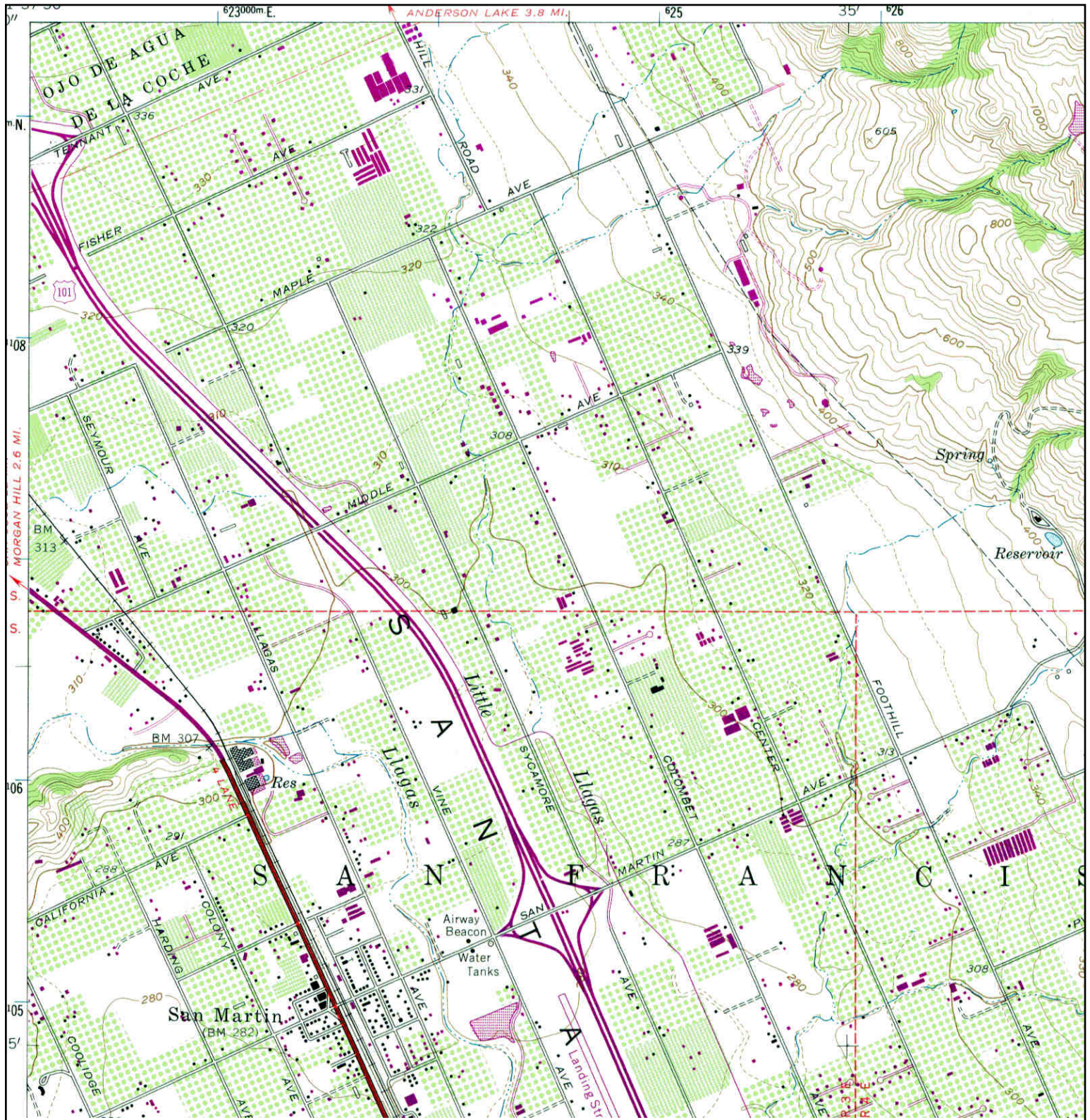
	TARGET QUAD	SITE NAME: Tennant Avenue Ag Site	CLIENT: Weber, Hayes, & Associates
	NAME: GILROY	ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05	CONTACT: Jacob Aman
	MAP YEAR: 1955	Morgan Hill, CA 95037	INQUIRY#: 3732253.4
	SERIES: 7.5	LAT/LONG: 37.1175 / -121.6225	RESEARCH DATE: 09/18/2013
	SCALE: 1:24000		

Historical Topographic Map



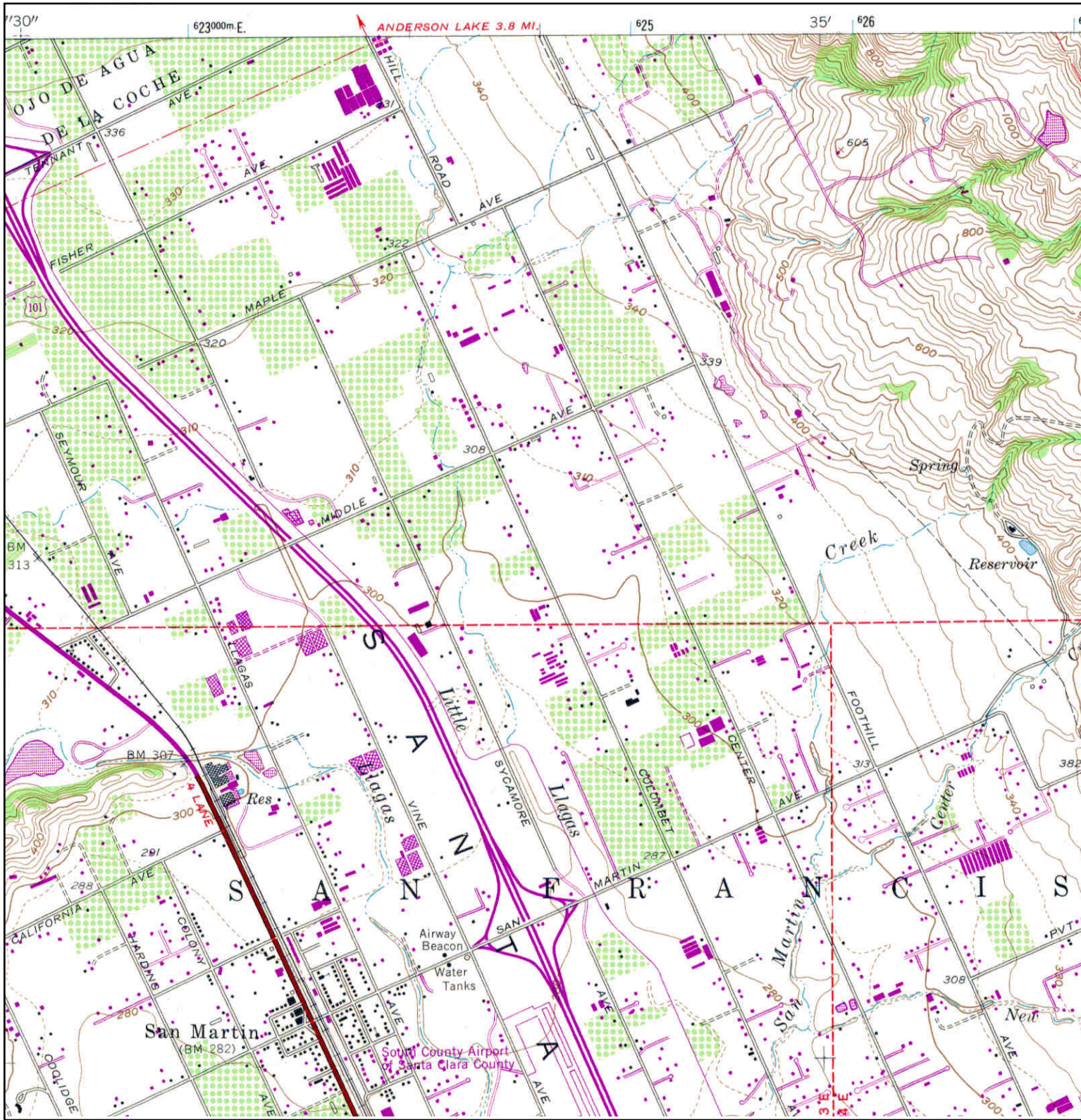
N ↑	TARGET QUAD NAME: GILROY MAP YEAR: 1968 PHOTOREVISED FROM :1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013
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Historical Topographic Map



N ↑	TARGET QUAD NAME: GILROY MAP YEAR: 1973 PHOTOREVISED FROM :1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013
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Historical Topographic Map



TARGET QUAD

NAME: GILROY

MAP YEAR: 1981

PHOTOREVISED FROM :1955

SERIES:

SCALE: 1:24000

SITE NAME: Tennant Avenue Ag Site

ADDRESS: APNs# 817-140-04, 817-140-09, &
817-140-05

Morgan Hill, CA 95037

LAT/LONG: 37.1175 / -121.6225

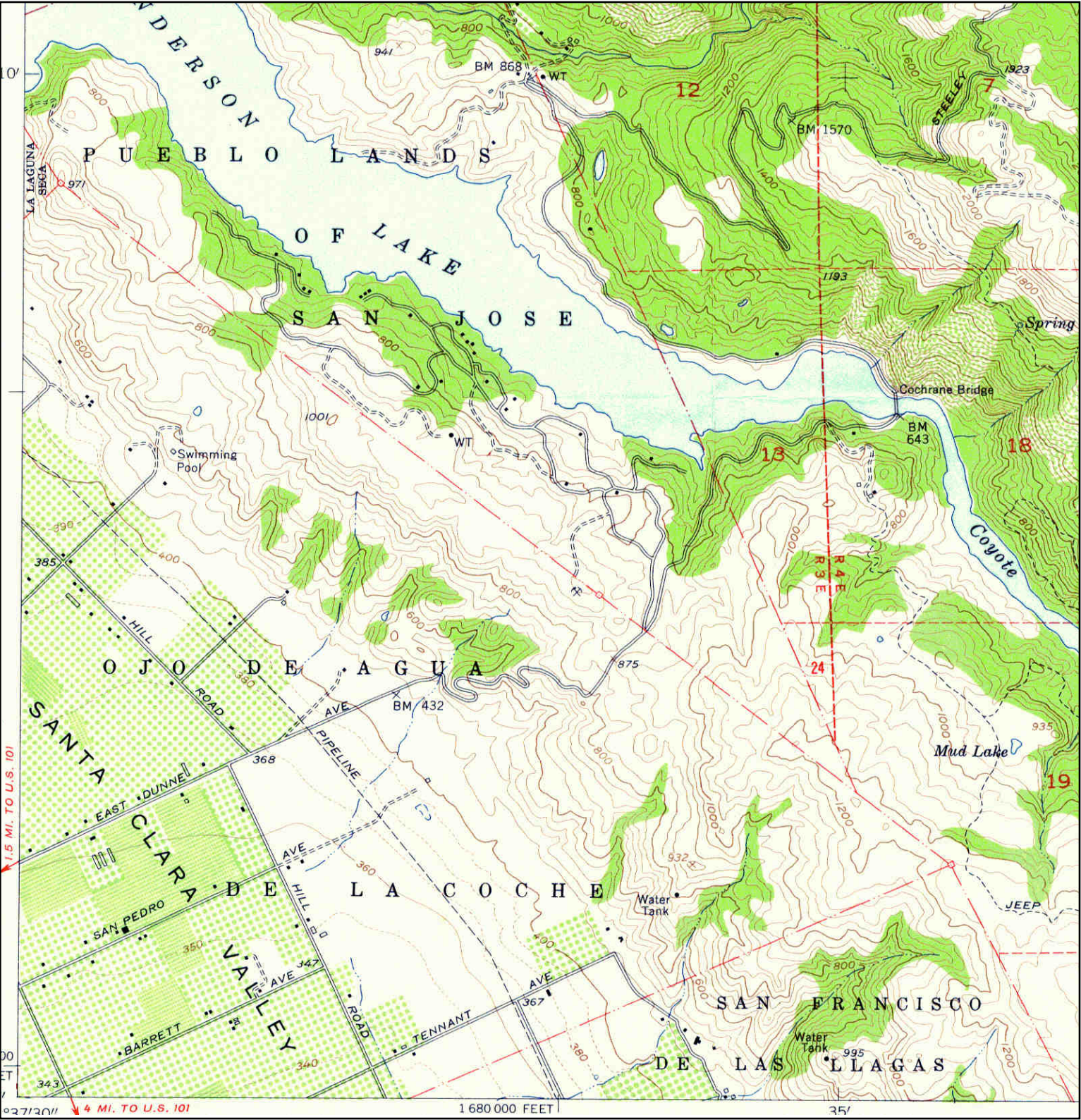
CLIENT: Weber, Hayes, & Associates

CONTACT: Jacob Aman

INQUIRY#: 3732253.4

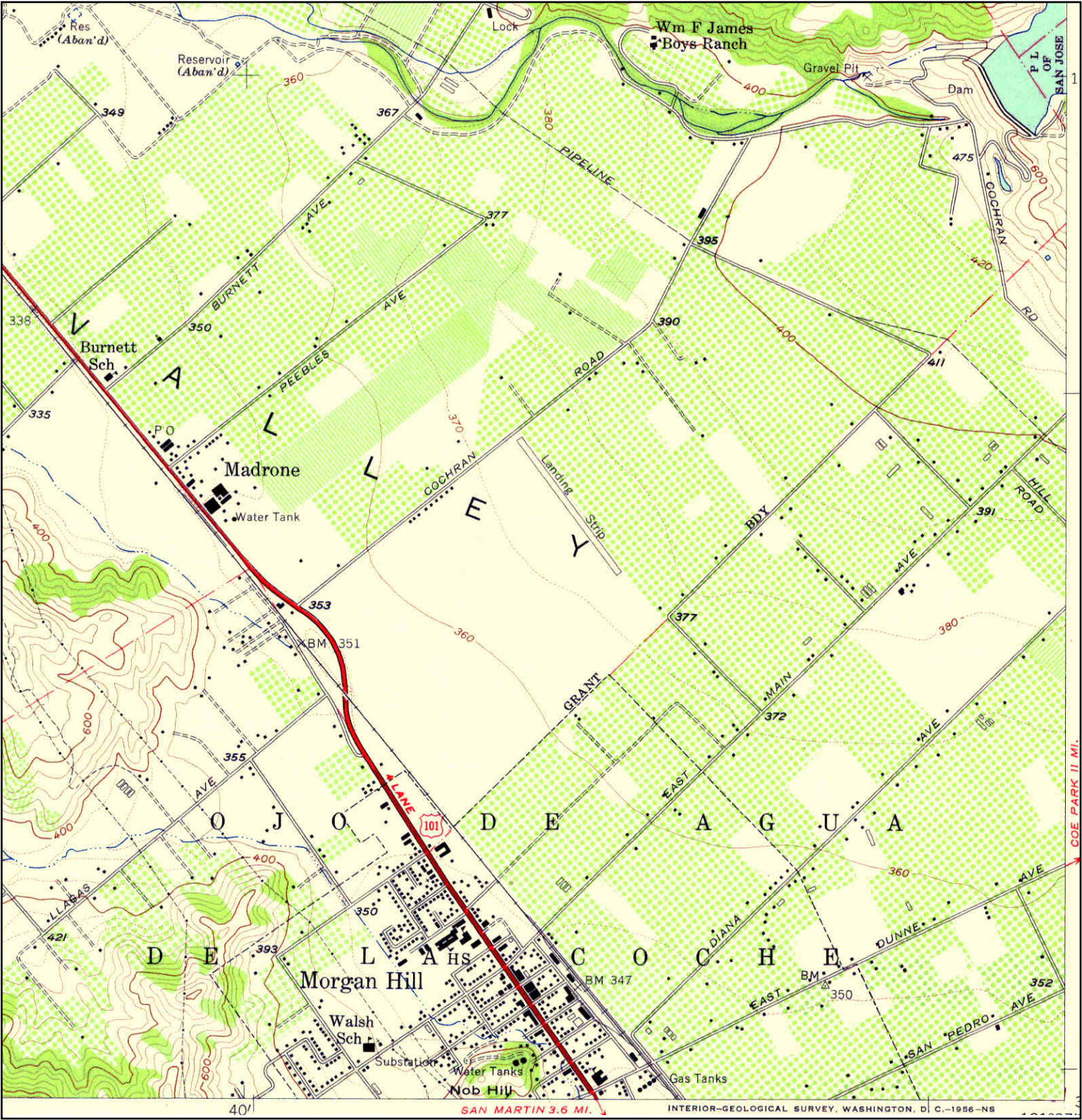
RESEARCH DATE: 09/18/2013

Historical Topographic Map



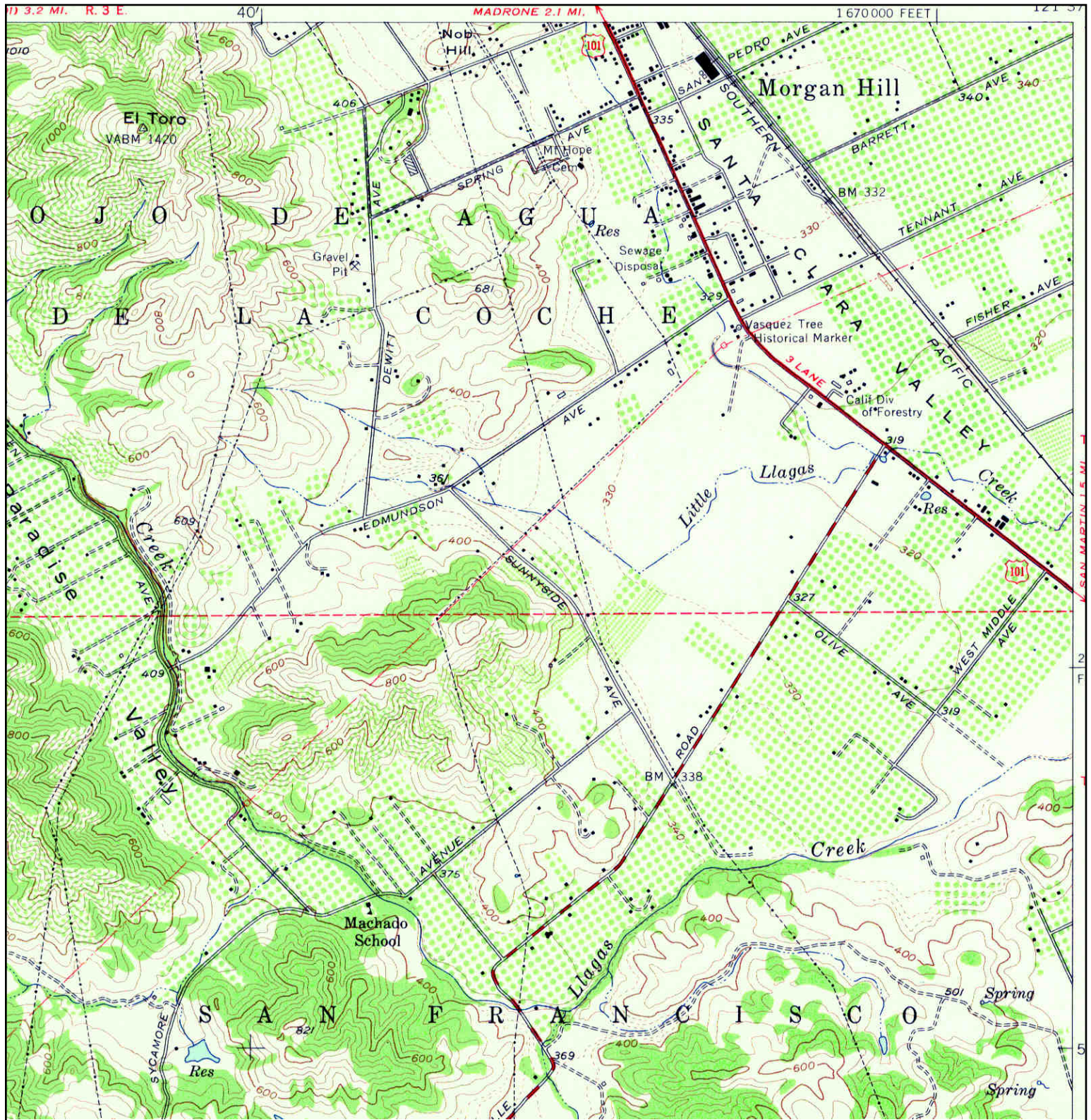
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	NAME:	MOUNT SIZER	SITE NAME:
	MAP YEAR:	1955	ADDRESS:
	SERIES:	7.5	CLIENT:
	SCALE:	1:24000	CONTACT:
			INQUIRY#:
			RESEARCH DATE:

Historical Topographic Map



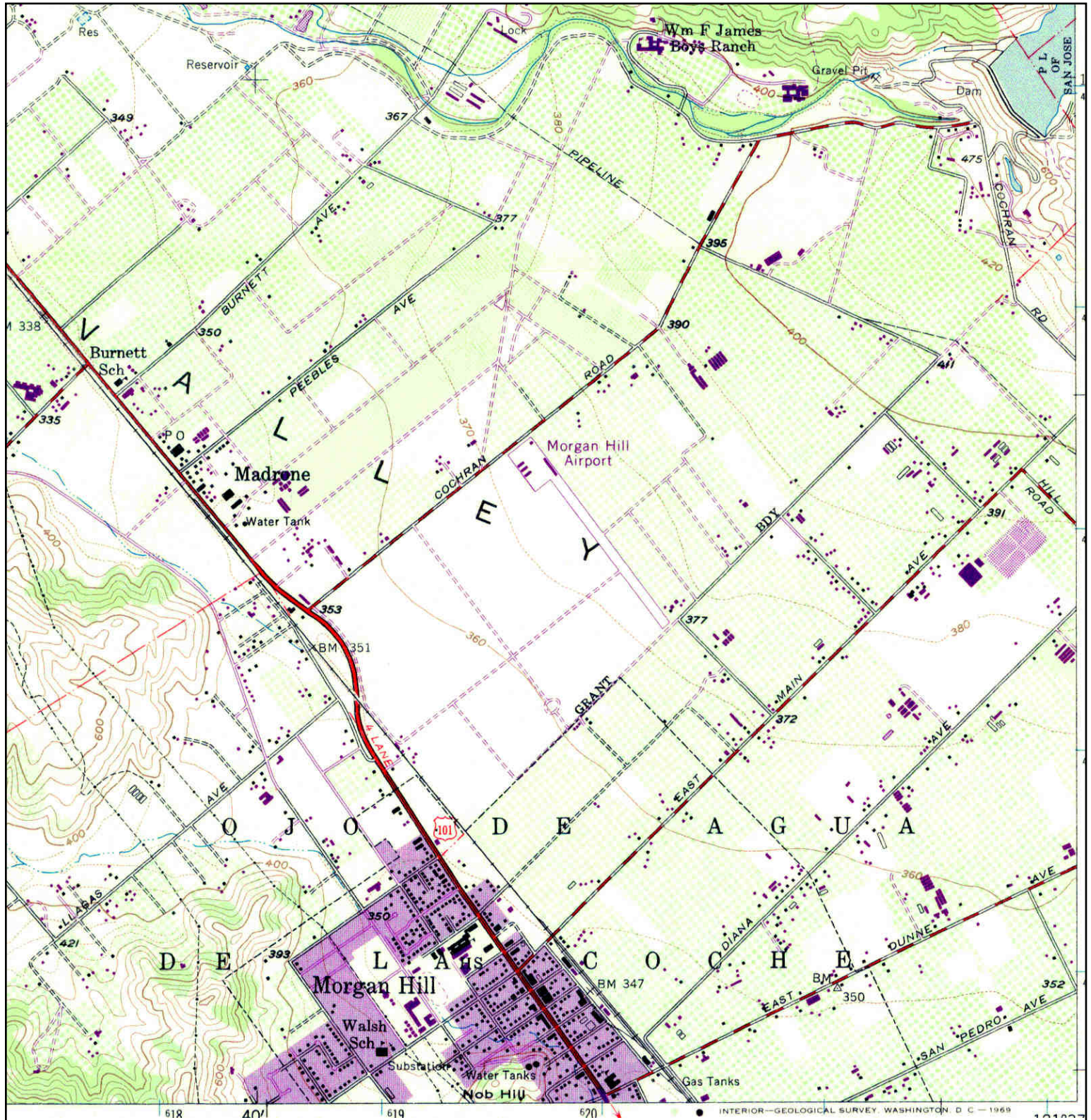
	ADJOINING QUAD	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013
	NAME: MORGAN HILL		
	MAP YEAR: 1955		
	SERIES: 7.5		
	SCALE: 1:24000		

Historical Topographic Map



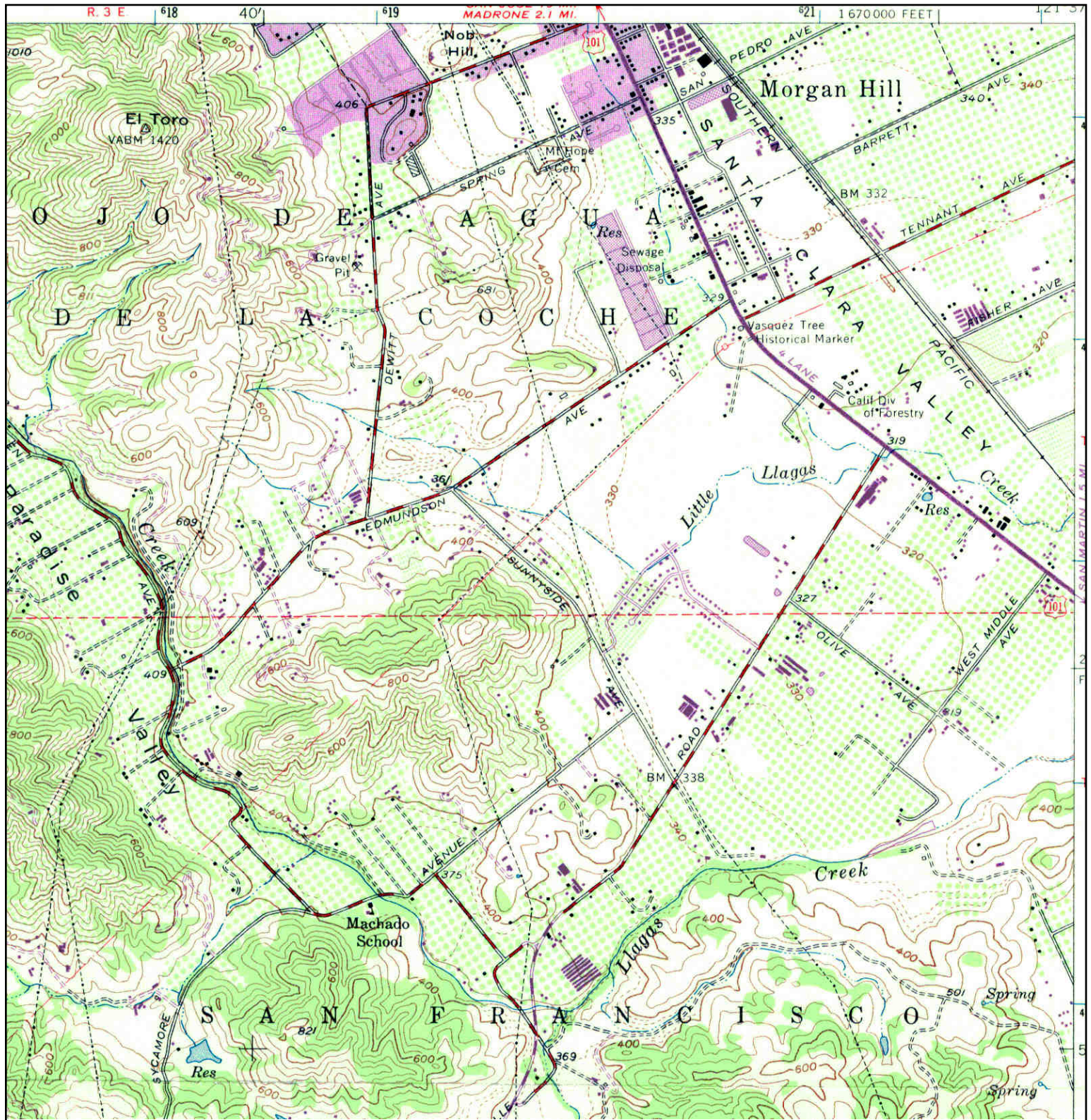
N ↑	ADJOINING QUAD	SITE NAME: Tennant Avenue Ag Site	CLIENT: Weber, Hayes, & Associates
	NAME: MOUNT MADONNA MAP YEAR: 1955	ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05	CONTACT: Jacob Aman
	SERIES: 7.5	Morgan Hill, CA 95037	INQUIRY#: 3732253.4
	SCALE: 1:24000	LAT/LONG: 37.1175 / -121.6225	RESEARCH DATE: 09/18/2013

Historical Topographic Map



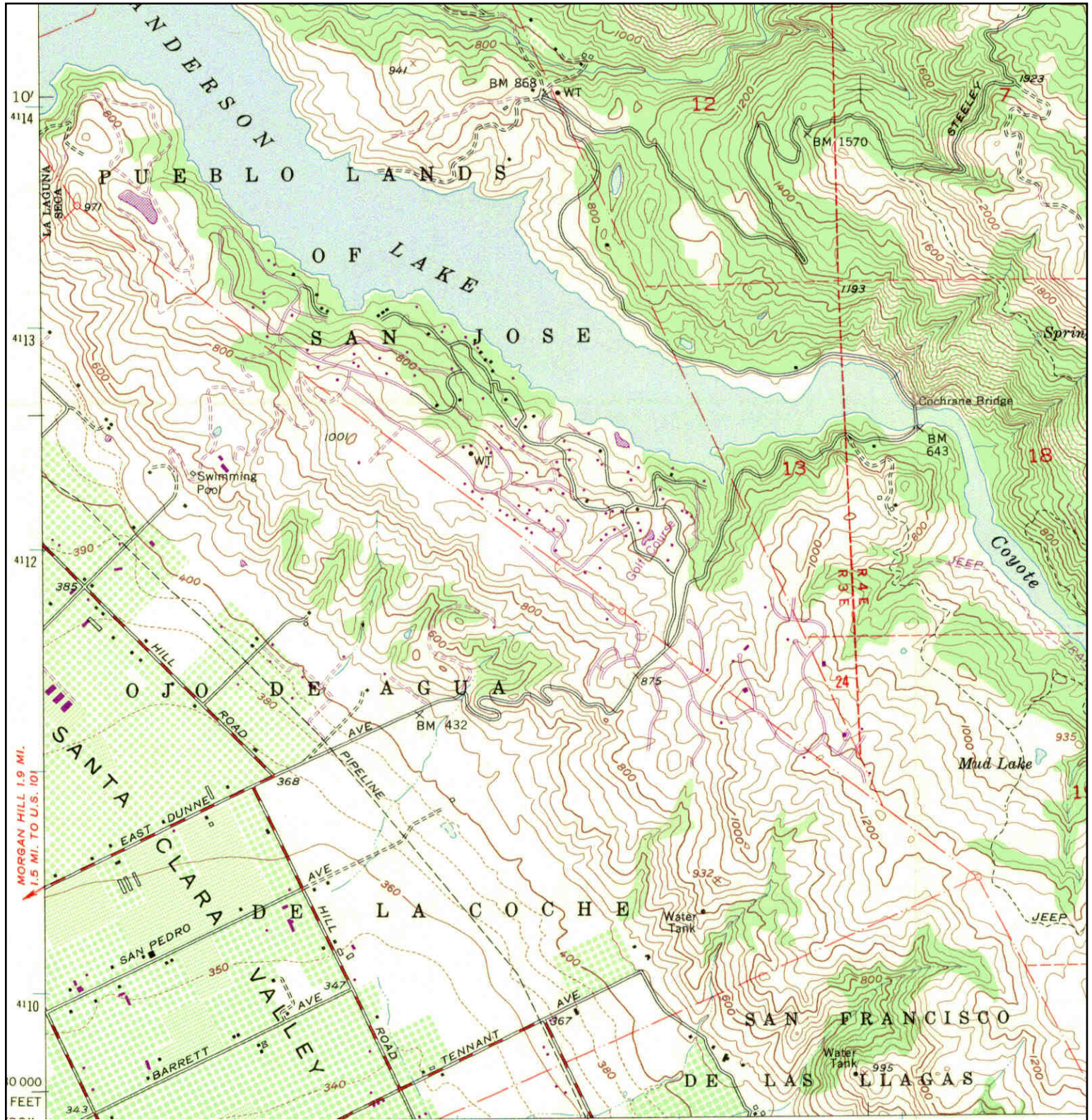
N ↑	ADJOINING QUAD NAME: MORGAN HILL MAP YEAR: 1968 PHOTOREVISED FROM :1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013
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Historical Topographic Map



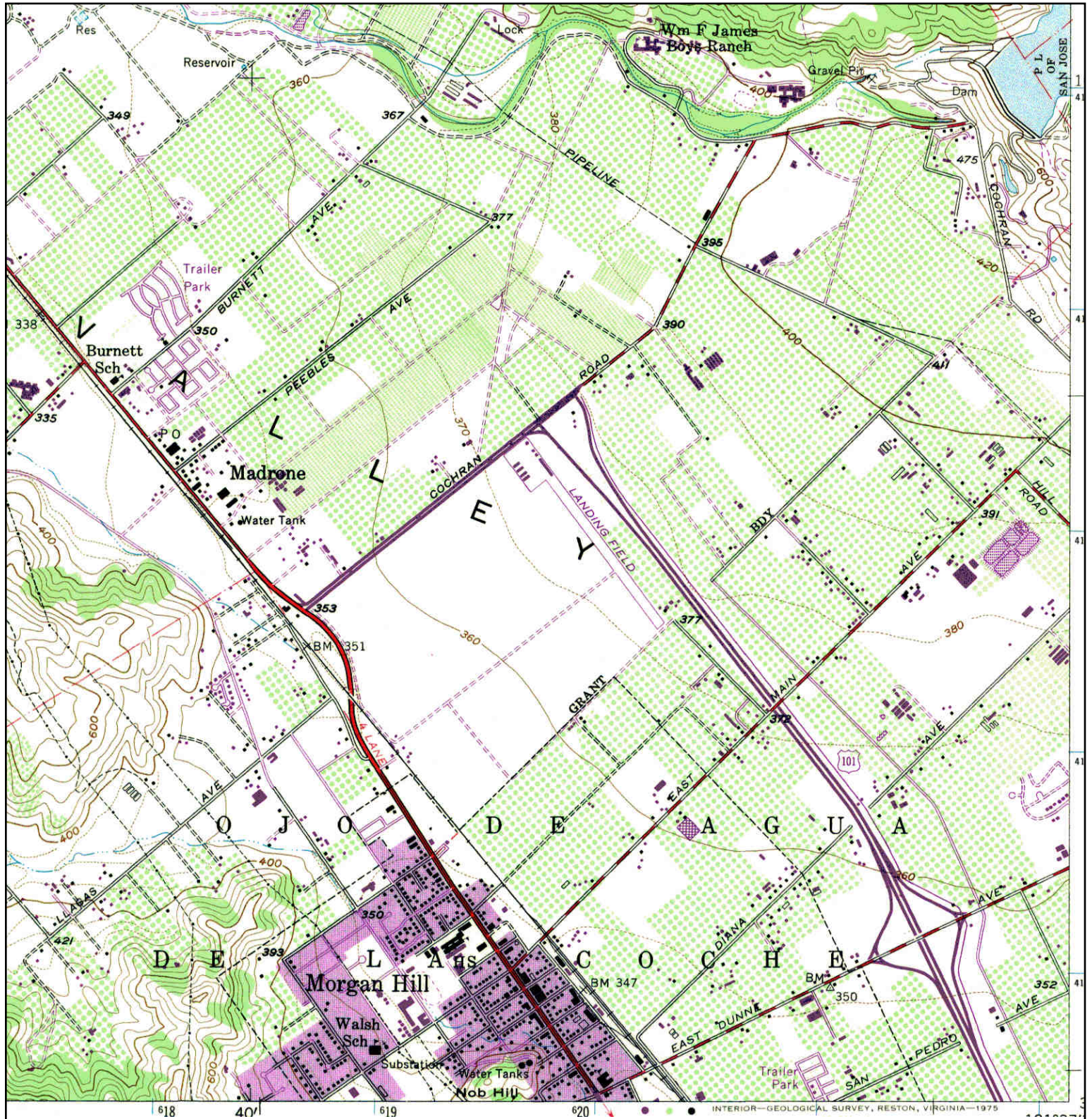
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Historical Topographic Map



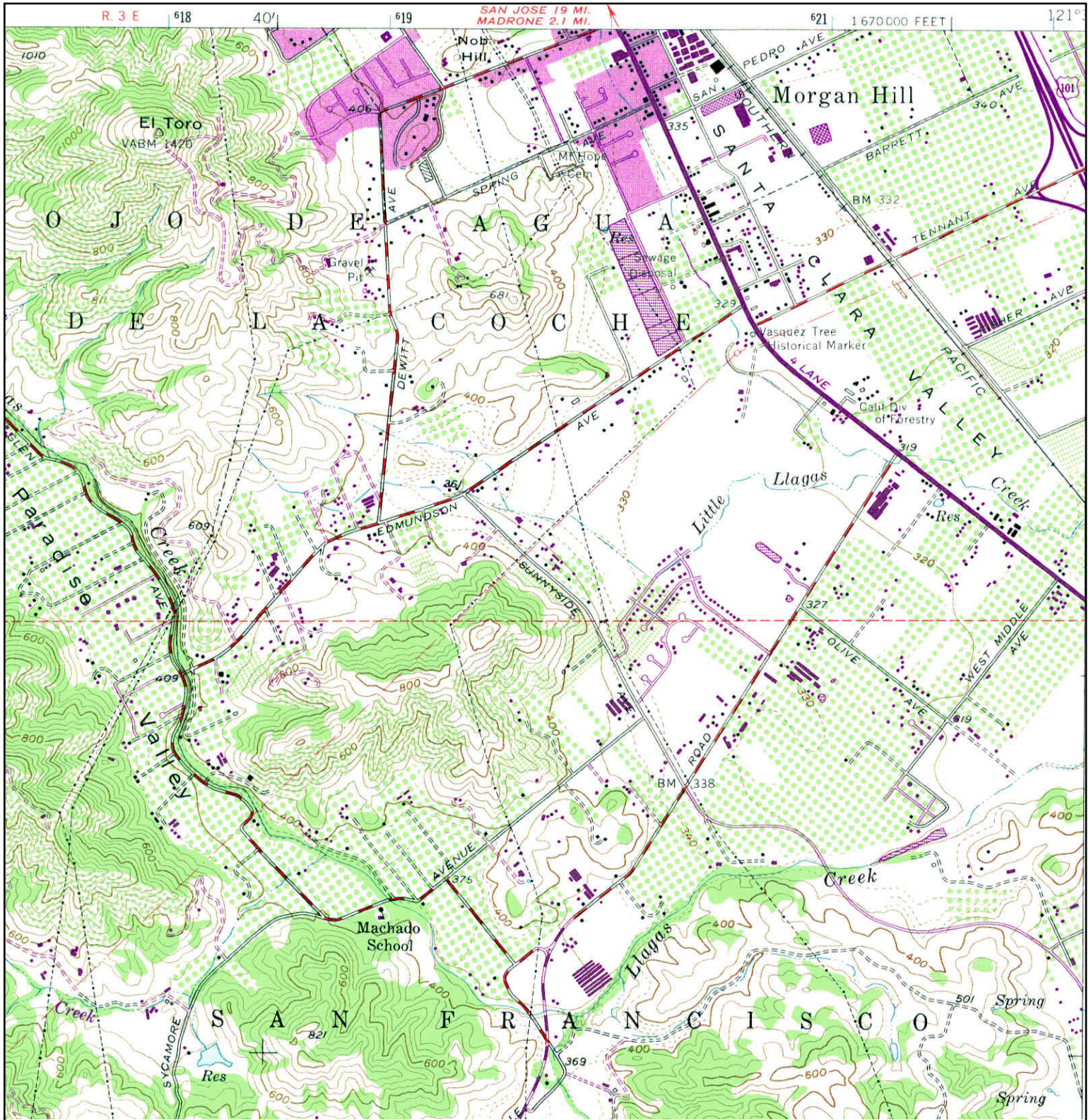
N ↑	ADJOINING QUAD NAME: MOUNT SIZER MAP YEAR: 1971 PHOTOREVISED FROM :1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013
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Historical Topographic Map



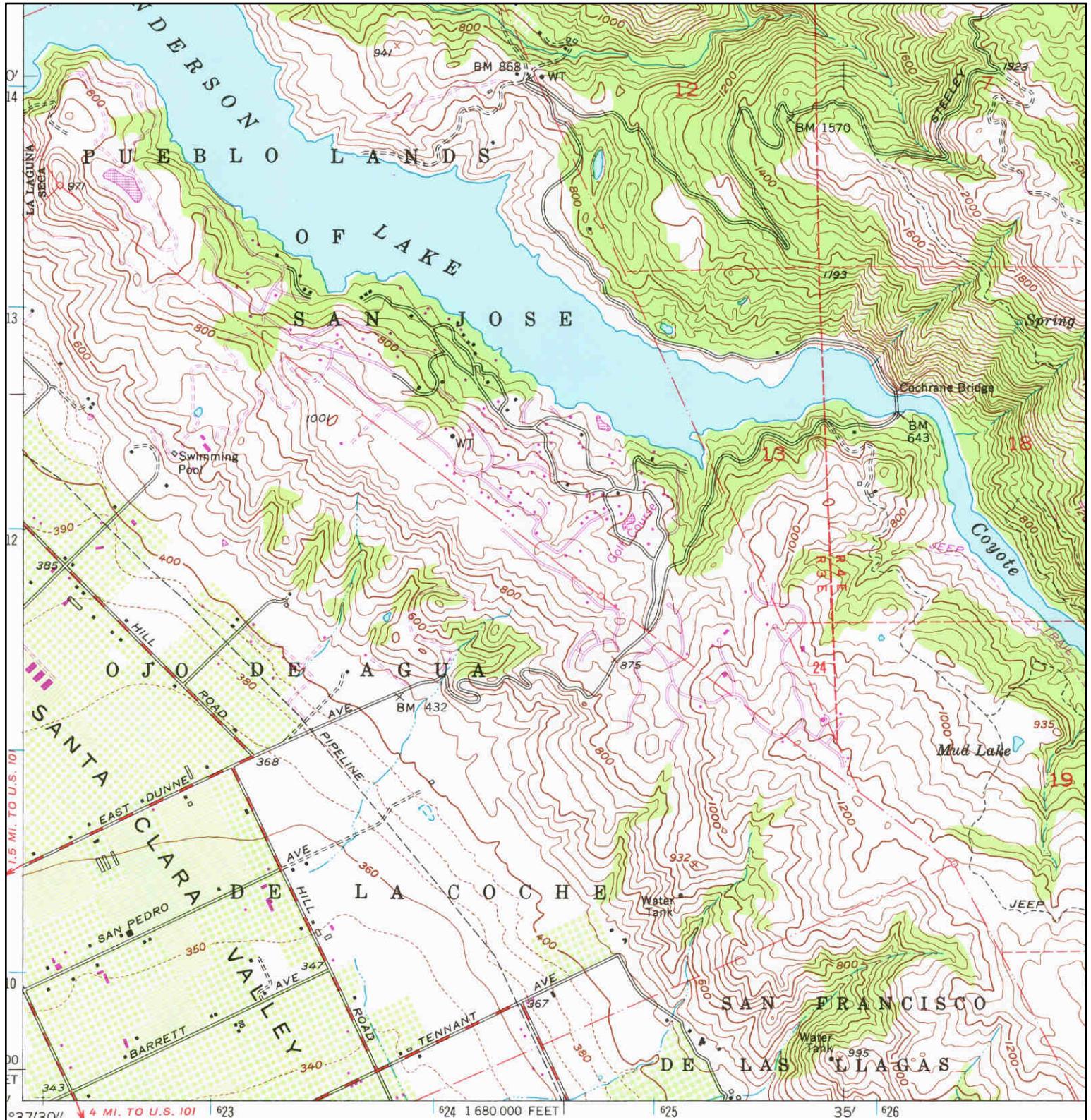
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Historical Topographic Map



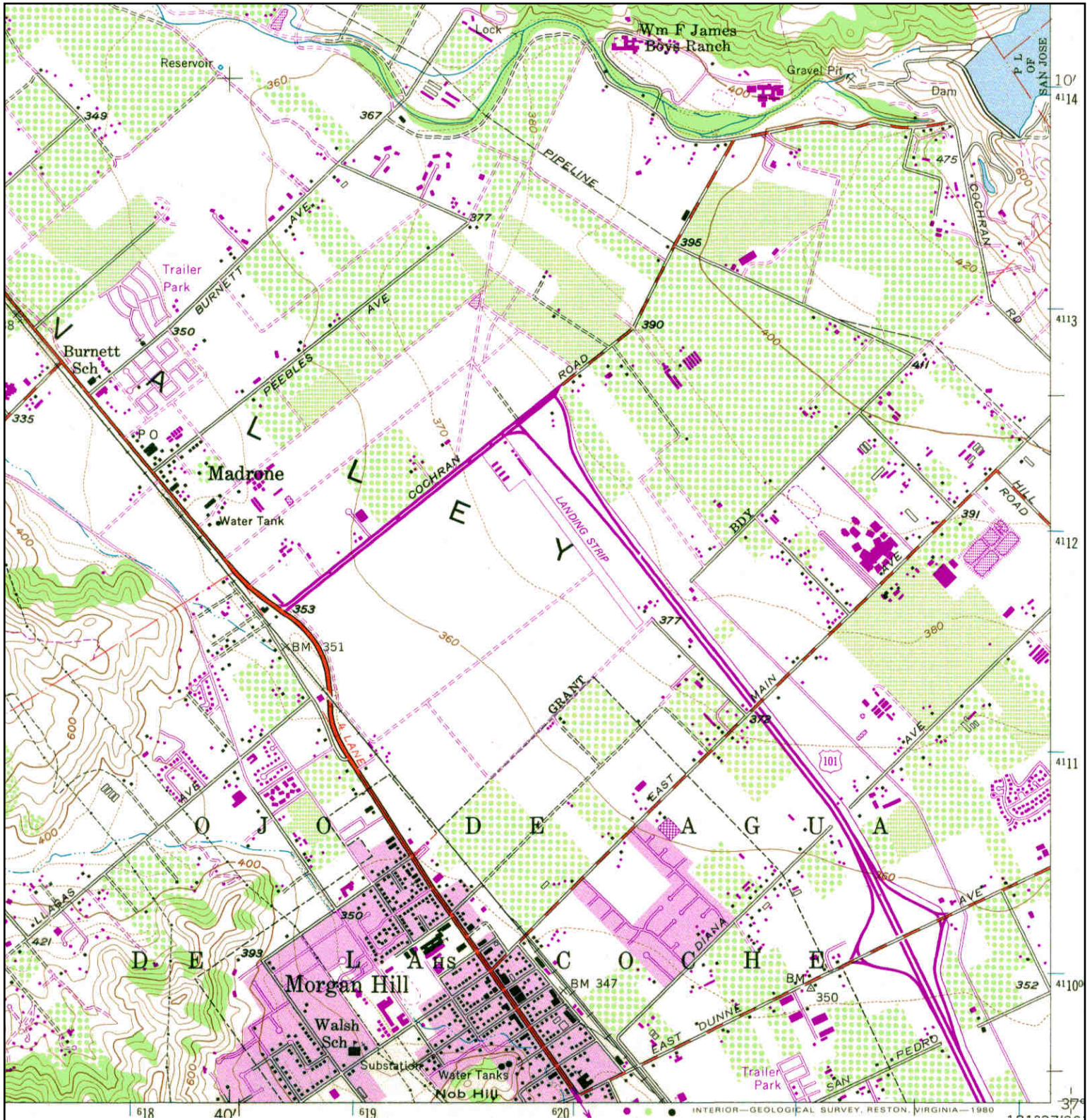
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Historical Topographic Map



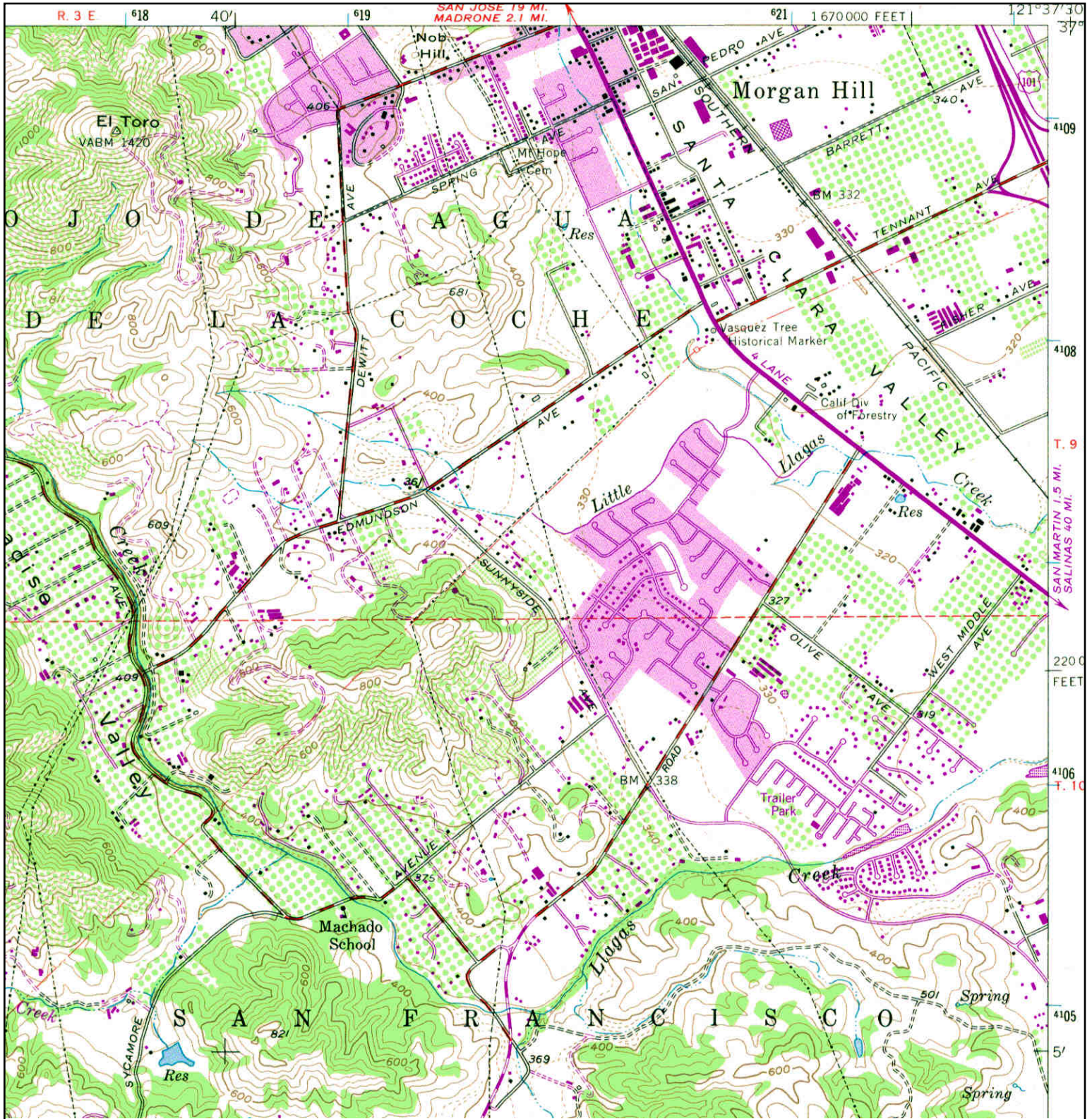
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Historical Topographic Map



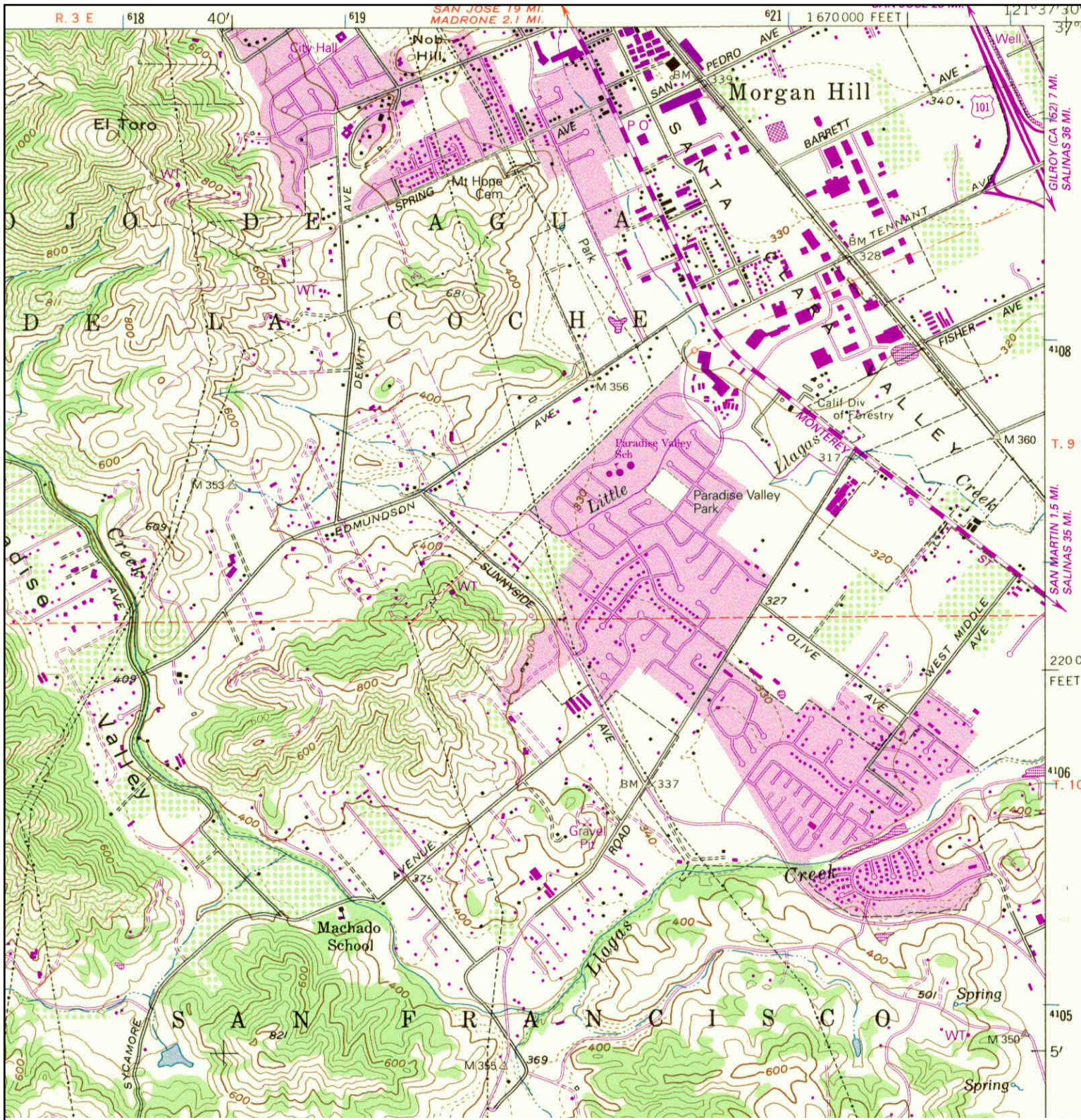
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Historical Topographic Map



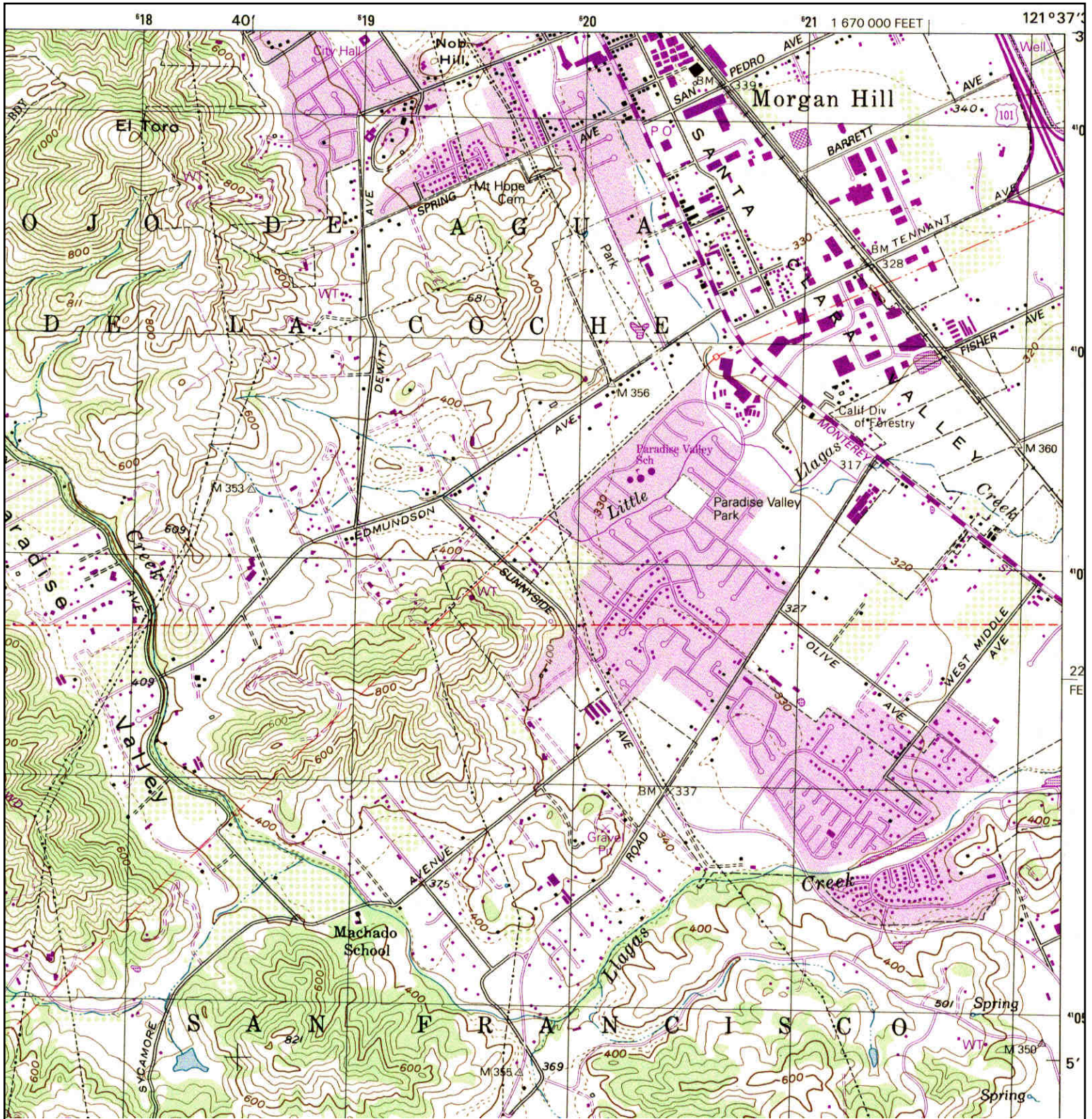
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Historical Topographic Map



	ADJOINING QUAD		
	NAME: MOUNT MADONNA	SITE NAME: Tennant Avenue Ag Site	CLIENT: Weber, Hayes, & Associates
	MAP YEAR: 1994	ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05	CONTACT: Jacob Aman
	REVISED FROM :1955	Morgan Hill, CA 95037	INQUIRY#: 3732253.4
	SERIES: 7.5		RESEARCH DATE: 09/18/2013
	SCALE: 1:24000	LAT/LONG: 37.1175 / -121.6225	

Historical Topographic Map



	ADJOINING QUAD NAME: MOUNT MADONNA MAP YEAR: 1996 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Tennant Avenue Ag Site ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05 Morgan Hill, CA 95037 LAT/LONG: 37.1175 / -121.6225	CLIENT: Weber, Hayes, & Associates CONTACT: Jacob Aman INQUIRY#: 3732253.4 RESEARCH DATE: 09/18/2013

APPENDIX C

EDR RADIUS REPORT

(Database Review of Regulated Sites)



Tennant Avenue Ag Site

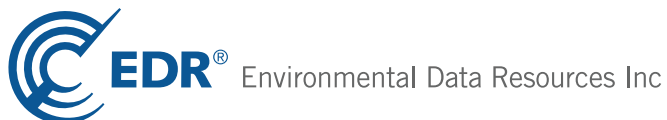
APNs# 817-140-04, 817-140-09, & 817-140-05

Morgan Hill, CA 95037

Inquiry Number: 3732253.2s

September 18, 2013

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

APNS# 817-140-04, 817-140-09, & 817-140-05
MORGAN HILL, CA 95037

COORDINATES

Latitude (North):	37.1175000 - 37° 7' 3.00"
Longitude (West):	121.6225000 - 121° 37' 21.00"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	622381.9
UTM Y (Meters):	4108591.5
Elevation:	331 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37121-A5 GILROY, CA
Most Recent Revision:	1981
North Map:	37121-B5 MOUNT SIZER, CA
Most Recent Revision:	1978
West Map:	37121-A6 MOUNT MADONNA, CA
Most Recent Revision:	1994
Northwest Map:	37121-B6 MORGAN HILL, CA
Most Recent Revision:	1980

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

EXECUTIVE SUMMARY

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

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-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

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

EXECUTIVE SUMMARY

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

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

State and tribal leaking storage tank lists

SLIC..... Statewide SLIC Cases

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

State and tribal registered storage tank lists

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

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

FEMA UST..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

ODI..... Open Dump Inventory

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

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

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs

HIST Cal-Sites..... Historical Calsites Database

SCH..... School Property Evaluation Program

Toxic Pits..... Toxic Pits Cleanup Act Sites

CDL..... Clandestine Drug Labs

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

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

SWEEPS UST..... SWEEPS UST Listing

Local Land Records

LIENS 2..... CERCLA Lien Information

EXECUTIVE SUMMARY

LIENS..... Environmental Liens Listing
 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
 DOT OPS..... Incident and Accident Data
 DOD..... Department of Defense Sites
 FUDS..... Formerly Used Defense Sites
 CONSENT..... Superfund (CERCLA) Consent Decrees
 ROD..... Records Of Decision
 UMTRA..... Uranium Mill Tailings Sites
 US MINES..... Mines Master Index File
 TRIS..... Toxic Chemical Release Inventory System
 TSCA..... Toxic Substances Control Act
 FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
 HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
 SSTs..... Section 7 Tracking Systems
 ICIS..... Integrated Compliance Information System
 PADS..... PCB Activity Database System
 MLTS..... Material Licensing Tracking System
 RADINFO..... Radiation Information Database
 FINDS..... Facility Index System/Facility Registry System
 RAATS..... RCRA Administrative Action Tracking System
 RMP..... Risk Management Plans
 CA BOND EXP. PLAN..... Bond Expenditure Plan
 NPDES..... NPDES Permits Listing
 UIC..... UIC Listing
 Cortese..... "Cortese" Hazardous Waste & Substances Sites List
 SAN JOSE HAZMAT..... Hazardous Material Facilities
 Notify 65..... Proposition 65 Records
 DRYCLEANERS..... Cleaner Facilities
 WIP..... Well Investigation Program Case List
 ENF..... Enforcement Action Listing
 HAZNET..... Facility and Manifest Data
 EMI..... Emissions Inventory Data
 INDIAN RESERV..... Indian Reservations
 SCR DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
 WDS..... Waste Discharge System
 PRP..... Potentially Responsible Parties
 US AIRS..... Aerometric Information Retrieval System Facility Subsystem
 LEAD SMELTERS..... Lead Smelter Sites
 2020 COR ACTION..... 2020 Corrective Action Program List
 Financial Assurance..... Financial Assurance Information Listing
 EPA WATCH LIST..... EPA WATCH LIST
 US FIN ASSUR..... Financial Assurance Information

EXECUTIVE SUMMARY

PCB TRANSFORMER.....	PCB Transformer Registration Database
PROC.....	Certified Processors Database
MWMP.....	Medical Waste Management Program Listing
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
HWT.....	Registered Hazardous Waste Transporter Database
HWP.....	EnviroStor Permitted Facilities Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

ENVIROSTOR: 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/05/2013 has revealed that there are 6 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>BARRETT AVENUE ELEMENTARY</i> Status: Certified	<i>895 BARRETT AVENUE</i>	<i>NW 1/4 - 1/2 (0.408 mi.)</i>	<i>6</i>	<i>11</i>
BAS PRECISION SHEET METAL, INC Status: Inactive - Needs Evaluation	16170 JAQUELINE CT	W 1/2 - 1 (0.723 mi.)	9	19

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FRANK'S AUTO SERVICE Status: Refer: Other Agency	16250 RAILROAD AV	W 1/2 - 1 (0.762 mi.)	10	20

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ALL SENSORS INC Status: Inactive - Needs Evaluation	16035 VINEYARD BL	W 1/2 - 1 (0.781 mi.)	11	21
JACKSON FAMILY TRUST Status: Active	235 TENNANT AVENUE	WSW 1/2 - 1 (0.830 mi.)	12	23
A FRENCH CLEANER Status: Active	602 TENNANT STATION WAY	WSW 1/2 - 1 (0.891 mi.)	13	24

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 07/26/2013 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROSICRUCIAN ORDER Status: Completed - Case Closed	15780 MURPHY AVE	NNE 0 - 1/8 (0.100 mi.)	2	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FISCHER PROPERTY Status: Completed - Case Closed	15220 LLAGAS AVE	SSE 1/4 - 1/2 (0.444 mi.)	B8	15

HIST LUST: 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.

A review of the HIST LUST list, as provided by EDR, and dated 03/29/2005 has revealed that there is 1 HIST LUST site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FISCHER PROPERTY	15220 LLAGAS AVE	SSE 1/4 - 1/2 (0.444 mi.)	B8	15

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Registered Storage Tanks

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there is 1

EXECUTIVE SUMMARY

HIST UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORESTIERI BROS.	15535 MURPHY AVE	ESE 0 - 1/8 (0.118 mi.)	3	10

Other Ascertainable Records

HIST CORTESE: 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 [CALSTES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ROSICRUCIAN ORDER	15780 MURPHY AVE	NNE 0 - 1/8 (0.100 mi.)	2	8
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GLASS LANDSCAPING COMPANY	15220 LLAGAS	SSE 1/4 - 1/2 (0.443 mi.)	B7	15

CUPA Listings: 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.

A review of the CUPA Listings list, as provided by EDR, has revealed that there are 3 CUPA Listings sites within approximately 0.25 miles of the target property.

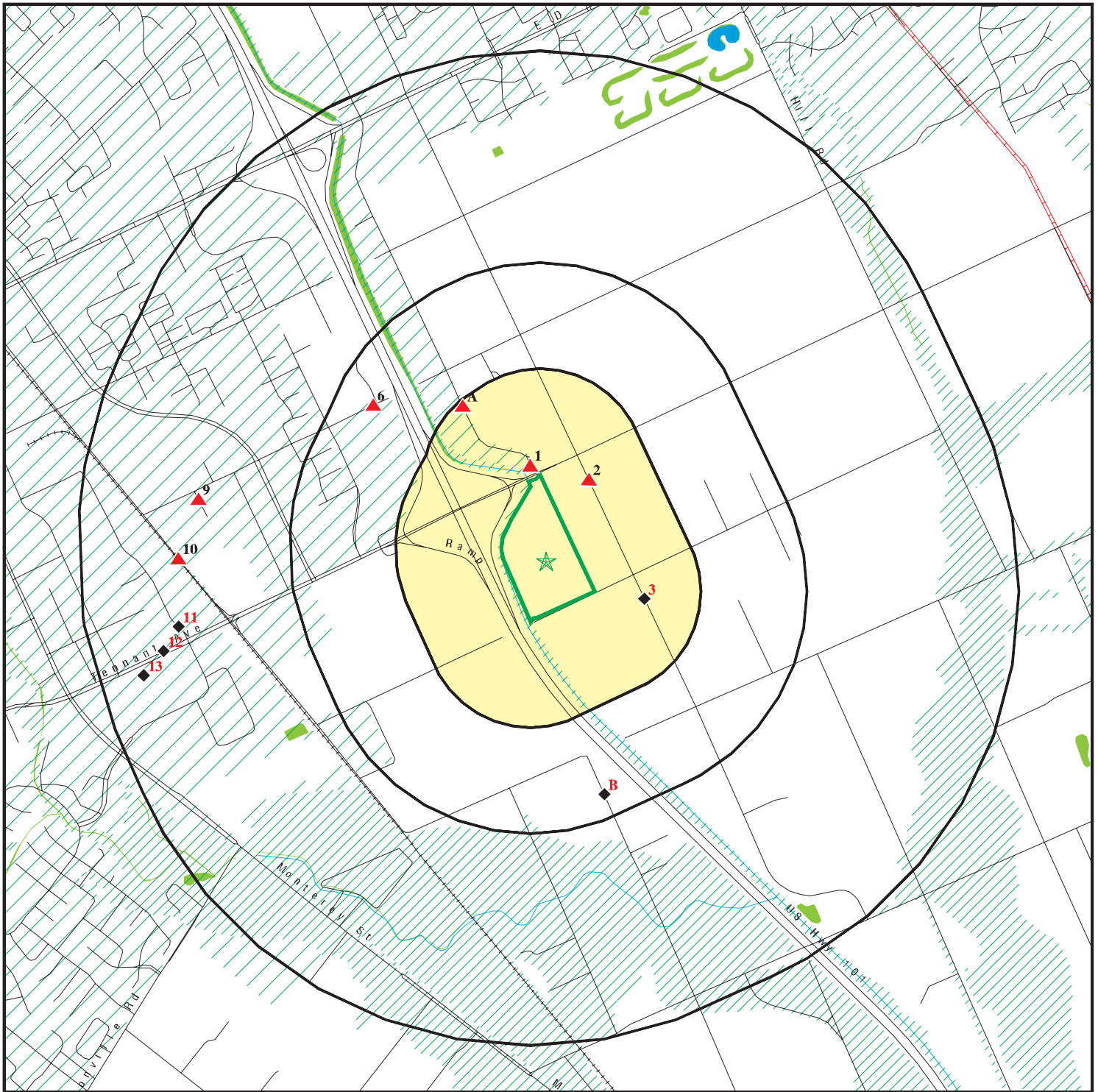
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAMPTON INN	16115 CONDIT RD	N 0 - 1/8 (0.032 mi.)	1	8
HOUSE OF THUNDER HARLEY-DAVIDS	16175 CONDIT RD	NNW 1/8 - 1/4 (0.201 mi.)	A4	10
MORGAN HILL AQUATICS CENTER	16200 CONDIT RD	NNW 1/8 - 1/4 (0.237 mi.)	A5	11

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 16 records.

<u>Site Name</u>	<u>Database(s)</u>
SHERIMAR RANCH	NPDES
MILANO	NPDES
MADRONE LANDFILL CLOSURE	NPDES
ROUTE 101 TENNANT AVE INTERCHANGE	NPDES
MADRONE LANDFILL	LDS
	CDL
CALTRANS ANIMAL DISPOSAL SITE	Cortese
SAN FELIPE RD. GAS CYL.	CERC-NFRAP
CALTRANS DIST 4/CONSTR/EA04-43R004	HAZNET
UNAXIS MATERIALS, INC.	HAZNET
A FRENCH CLEANER	HAZNET
SAN MARTIN TIRE	HAZNET
A FRENCH CLEANER	FINDS, EMI
WORLD OIL SS #52	WDS
16995 MONTEREY HWY	WDS
SADONNA'S HOLIDAY CLEANERS	EMI

OVERVIEW MAP - 3732253.2s



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Oil & Gas pipelines from USGS

 100-year flood zone

 500-year flood zone

 National Wetland Inventory

 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: Tennant Avenue Ag Site
ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05
Morgan Hill CA 95037
LAT/LONG: 37.1175 / 121.6225

CLIENT: Weber, Hayes, & Associates
CONTACT: Jacob Aman
INQUIRY #: 3732253.2s
DATE: September 18, 2013 4:40 pm

7

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

CLIENT: Weber, Hayes, & Associates
CONTACT: Jacob Aman
INQUIRY #: 3732253.2s
DATE: September 18, 2013 4:42 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
<u>STANDARD ENVIRONMENTAL RECORDS</u>								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
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
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
RESPONSE	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
ENVIROSTOR	1.000		0	0	1	5	NR	6
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		1	0	1	NR	NR	2

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
SLIC	0.500		0	0	0	NR	NR	0
HIST LUST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
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
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
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
Local Lists of Hazardous waste / Contaminated Sites								
US 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
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		1	0	NR	NR	NR	1
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
LIENS	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0

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
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		1	0	1	NR	NR	2
SAN JOSE HAZMAT	0.250		0	0	NR	NR	NR	0
CUPA Listings	0.250		1	2	NR	NR	NR	3
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

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

EDR ID Number
EPA ID Number

1
North
< 1/8
0.032 mi.
170 ft.

HAMPTON INN
16115 CONDIT RD
MORGAN HILL, CA 95037

CUPA Listings **S113663262**
N/A

Relative:
Higher

CUPA SANTA CLARA:
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS

Actual:
338 ft.

2
NNE
< 1/8
0.100 mi.
527 ft.

ROSICRUCIAN ORDER
15780 MURPHY AVE
MORGAN HILL, CA 95037

HIST CORTESE **S102436031**
LUST **N/A**

Relative:
Higher

CORTESE:
Region: CORTESE
Facility County Code: 43
Reg By: LTNKA
Reg Id: 464

Actual:
336 ft.

LUST:

Region: STATE
Global Id: T0608502175
Latitude: 37.118834
Longitude: -121.617713
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 05/11/1987
Lead Agency: CENTRAL COAST RWQCB (REGION 3)
Case Worker: RB
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: 464
LOC Case Number: Not reported
File Location: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608502175
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

Global Id: T0608502175
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 Berger Drive, Suite 300
City: SAN JOSE
Email: Not reported
Phone Number: 4089183400

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSICRUCIAN ORDER (Continued)

S102436031

Regulatory Activities:

Global Id: T0608502175
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Clara
Global ID: T0608502175
Status: Case Closed
Case Number: 464
Local Case Num: Not reported
Case Type: S
Substance: Gasoline
Quantity: Not reported
Abatement Method: U
Leak Source: UNK
Leak Cause: UNK
How Stopped: Not reported
How Discovered: Tank Closure
Release Date: 05/28/1985
Discovered Date: Not reported
Enter Date: 07/14/1987
Stop Date: Not reported
Review Date: 05/11/1987
Enforce Date: Not reported
Close Date: 5/11/87
Enforcement Type: Not reported
Responsible Party: Not reported
RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 43099L
Lead Agency: Regional Board
Staff Initials: JHM
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: UST
Interim Action: 0
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NT
Lat/Long: 37.1196014 / -121.6200464
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ROSICRUCIAN ORDER (Continued)

S102436031

Mtbe Concentratn: 0
Mtbe Fuel: 1
Org Name: Not reported
Basin Plan: 5.30
Beneficial: Not reported
Priority: 0
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: CITY OF MORGAN HILL
Well Name: CONDIT WELL
Distance From Well: 0
Assigned Name: 09S/03E-27G04 M
Summary: TANK REMOVED PER COUNTY GUIDELINES. SOIL ANALYSIS REVEALED NO CONTAMINATION.

3
ESE
< 1/8
0.118 mi.
622 ft.

FORESTIERI BROS.
15535 MURPHY AVE
MORGAN HILL, CA 95037

HIST UST **U001601535**
N/A

Relative:
Lower

HIST UST:
Region: STATE
Facility ID: 00000014041
Facility Type: Other
Other Type: Not reported
Total Tanks: 0001
Contact Name: Not reported
Telephone: 4087792280
Owner Name: FORESTIERI BROS.
Owner Address: 15535 MURPHY AVE
Owner City,St,Zip: MORGAN HILL, CA 95037

Actual:
330 ft.

Tank Num: 001
Container Num: TANK NO. 1
Year Installed: 1950
Tank Capacity: 00000800
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Tank Construction: Not reported
Leak Detection: Stock Inventor

A4
NNW
1/8-1/4
0.201 mi.
1063 ft.

HOUSE OF THUNDER HARLEY-DAVIDSON
16175 CONDIT RD
MORGAN HILL, CA 95037

CUPA Listings **S109427150**
N/A

Site 1 of 2 in cluster A

Relative:
Higher

CUPA SANTA CLARA:
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS

Actual:
342 ft.

Region: SANTA CLARA
Program Description: GENERATES WASTE OIL ONLY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A5
NNW
1/8-1/4
0.237 mi.
1252 ft.

MORGAN HILL AQUATICS CENTER
16200 CONDIT RD
MORGAN HILL, CA 95037

Site 2 of 2 in cluster A

CUPA Listings **S112346214**
N/A

Relative:
Higher

Actual:
343 ft.

CUPA SANTA CLARA:
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS

6
NW
1/4-1/2
0.408 mi.
2156 ft.

BARRETT AVENUE ELEMENTARY
895 BARRETT AVENUE
MORGAN HILL, CA 95037

SCH **S104567919**
ENVIROSTOR **N/A**

Relative:
Higher

SCH:

Actual:
344 ft.

Facility ID: 43010020
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Site Code: 204007
Assembly: 30
Senate: 17
Special Program Status: Not reported
Status: Certified
Status Date: 09/07/2000
Restricted Use: NO
Funding: School District
Latitude: 37.12358
Longitude: -121.6315
APN: 817-10-052
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: * Pesticides - Wastes From Production, * delta-BHC (delta-HCH, Arsenic, DDD, DDE, DDT, Endrin, Lead, Toxaphene, Copper and compounds, Dieldrin, Endosulfan, Heptachlor epoxide, HCH (alpha, Tin Toxaphene, Dieldrin

Confirmed COC:
Potential Description: SOIL
Alias Name: BARRETT AVENUE ELEMENTARY
Alias Type: Alternate Name
Alias Name: BARRETT ELEMENTARY SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: MORGAN HILL USD - BARRETT AV. ELEM.
Alias Type: Alternate Name
Alias Name: 817-10-052
Alias Type: APN
Alias Name: 110033617085
Alias Type: EPA (FRS #)
Alias Name: 201278
Alias Type: Project Code (Site Code)
Alias Name: 204007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARRETT AVENUE ELEMENTARY (Continued)

S104567919

Alias Type: Project Code (Site Code)
Alias Name: 43010020
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/17/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/13/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 06/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/06/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/17/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/20/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Action Memorandum (if <\$1M)
Completed Date: 06/30/2000
Comments: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARRETT AVENUE ELEMENTARY (Continued)

S104567919

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

ENVIROSTOR:

Site Type: School Cleanup
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Juan Koponen
Division Branch: Northern California Schools & Santa Susana
Facility ID: 43010020
Site Code: 204007
Assembly: 30
Senate: 17
Special Program: Not reported
Status: Certified
Status Date: 09/07/2000
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: School District
Latitude: 37.12358
Longitude: -121.6315
APN: 817-10-052
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: * Pesticides - Wastes From Production, * delta-BHC (delta-HCH, Arsenic, DDD, DDE, DDT, Endrin, Lead, Toxaphene, Copper and compounds, Dieldrin, Endosulfan, Heptachlor epoxide, HCH (alpha, Tin
Confirmed COC: * Pesticides - Wastes From Production, * delta-BHC (delta-HCH, Arsenic, DDD, DDE, DDT, Endrin, Lead, Toxaphene, Copper and compounds, Dieldrin, Endosulfan, Heptachlor epoxide, HCH (alpha, Tin, Toxaphene, Dieldrin
Potential Description: SOIL
Alias Name: BARRETT AVENUE ELEMENTARY
Alias Type: Alternate Name
Alias Name: BARRETT ELEMENTARY SCHOOL/VCA
Alias Type: Alternate Name
Alias Name: MORGAN HILL USD - BARRETT AV. ELEM.
Alias Type: Alternate Name
Alias Name: 817-10-052
Alias Type: APN
Alias Name: 110033617085
Alias Type: EPA (FRS #)
Alias Name: 201278
Alias Type: Project Code (Site Code)
Alias Name: 204007
Alias Type: Project Code (Site Code)
Alias Name: 43010020

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARRETT AVENUE ELEMENTARY (Continued)

S104567919

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/17/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/13/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 06/30/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/06/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/17/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/20/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 09/07/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Action Memorandum (if <\$1M)
Completed Date: 06/30/2000
Comments: Not reported

Future Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BARRETT AVENUE ELEMENTARY (Continued)

S104567919

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

B7
SSE
1/4-1/2
0.443 mi.
2337 ft.
GLASS LANDSCAPING COMPANY
15220 LLAGAS
SAN MARTIN, CA 95076
Site 1 of 2 in cluster B

HIST CORTESE **S102430806**
N/A

Relative: **CORTESE:**
Lower Region: CORTESE
Facility County Code: 43
Actual: Reg By: LTNKA
315 ft. Reg Id: 460

B8
SSE
1/4-1/2
0.444 mi.
2346 ft.
FISCHER PROPERTY
15220 LLAGAS AVE
UNINCORPORATED, CA
Site 2 of 2 in cluster B

LUST **S103881439**
HIST LUST **N/A**

Relative: **LUST:**
Lower Region: STATE
Global Id: T0608502172
Actual: Latitude: 37.1103661326143
315 ft. Longitude: -121.619896888733
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 08/20/1991
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: UST
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: 460
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: Soil
Potential Contaminants of Concern: Not reported
Site History: Not reported

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

Contact:
Global Id: T0608502172
Contact Type: Regional Board Caseworker
Contact Name: RB3 STAFF
Organization Name: CENTRAL COAST RWQCB (REGION 3)
Address: 895 AEROVISTA PL, SUITE 101
City: SAN LUIS OBISPO
Email: centralcoast@waterboards.ca.gov
Phone Number: 8055493147

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISCHER PROPERTY (Continued)

S103881439

Global Id: T0608502172
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 Berger Drive, Suite 300
City: SAN JOSE
Email: Not reported
Phone Number: 4089183400

Regulatory Activities:

Global Id: T0608502172
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

Global Id: T0608502172
Action Type: ENFORCEMENT
Date: 08/20/1991
Action: Closure/No Further Action Letter

Global Id: T0608502172
Action Type: RESPONSE
Date: 05/29/1987
Action: Other Report / Document

Region: STATE
Global Id: T0608502361
Latitude: 37.1100197
Longitude: -121.6195068
Case Type: LUST Cleanup Site
Status: Completed - Case Closed
Status Date: 03/04/1998
Lead Agency: SANTA CLARA COUNTY LOP
Case Worker: UST
Local Agency: SANTA CLARA COUNTY LOP
RB Case Number: Not reported
LOC Case Number: Not reported
File Location: Stored electronically as an E-file
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

[Click here to access the California GeoTracker records for this facility:](#)

Contact:

Global Id: T0608502361
Contact Type: Local Agency Caseworker
Contact Name: UST CASE WORKER
Organization Name: SANTA CLARA COUNTY LOP
Address: 1555 Berger Drive, Suite 300
City: SAN JOSE
Email: Not reported
Phone Number: 4089183400

Global Id: T0608502361
Contact Type: Regional Board Caseworker

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISCHER PROPERTY (Continued)

S103881439

Contact Name: ZSC
Organization Name: SAN FRANCISCO BAY RWQCB (REGION 2)
Address: 1515 CLAY STREET, SUITE 1400
City: OAKLAND
Email: Not reported
Phone Number: Not reported

Regulatory Activities:
Global Id: T0608502361
Action Type: Other
Date: 01/01/1950
Action: Leak Reported

LUST REG 2:

Region: 2
Facility Id: Not reported
Facility Status: Case Closed
Case Number: 09S3E35E02f
How Discovered: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Date Leak Confirmed: Not reported
Oversight Program: LUST
Prelim. Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Pollution Remediation Plan Submitted: Not reported
Date Remediation Action Underway: Not reported
Date Post Remedial Action Monitoring Began: Not reported

LUST REG 3:

Region: 3
Regional Board: Central Coast Region
Facility County: Santa Clara
Global ID: T0608502172
Status: Case Closed
Case Number: 460
Local Case Num: 09S3E35E01f
Case Type: S
Substance: 0
Quantity: Not reported
Abatement Method: Not reported
Leak Source: Not reported
Leak Cause: Not reported
How Stopped: Not reported
How Discovered: Not reported
Release Date: 01/01/1989
Discovered Date: Not reported
Enter Date: / /
Stop Date: Not reported
Review Date: / /
Enforce Date: Not reported
Close Date: 8/20/91
Enforcement Type: Not reported
Responsible Party: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISCHER PROPERTY (Continued)

S103881439

RP Address: Not reported
Contact: Not reported
Cross Street: Not reported
Local Agency: 43099L
Lead Agency: Local Agency
Staff Initials: JHM
Confirm Leak: Not reported
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: / /
Remedial Plan: Not reported
Remedial Action: Not reported
Monitoring: / /
Pilot Program: LUST
Interim Action: Not reported
Funding: Not reported
MTBE Class: *
Max MTBE Grnd Wtr: Not reported
Max MTBE Soil: Not reported
Max MTBE Data: / /
MTBE Tested: NRQ
Lat/Long: 37.1096115 / -121.6194229
Soil Qualifier: Not reported
Grnd Wtr Qualifier: Not reported
Mtbe Concentratn: 0
Mtbe Fuel: 0
Org Name: Not reported
Basin Plan: Not reported
Beneficial: MUN
Priority: Not reported
UST Cleanup Fund ID: Not reported
Suspended: Not reported
Operator: Not reported
Water System: CHIRI SWEET WATER COMPANY
Well Name: WELL 01
Distance From Well: 0
Assigned Name: 09S/03E-35C08 M
Summary: Not reported

LUST SANTA CLARA:

Region: SANTA CLARA
SCVWD ID: 09S3E35E02F
Date Closed: 03/04/1998

Region: SANTA CLARA
SCVWD ID: 09S3E35E01F
Date Closed: 08/20/1991

HIST LUST SANTA CLARA:

Region: SANTA CLARA
Region Code: 3
SCVWD ID: 09S3E35E01
Oversite Agency: SCVWD
Date Listed: 1990-08-10 00:00:00
Closed Date: 1991-08-20 00:00:00

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FISCHER PROPERTY (Continued)

S103881439

Region: SANTA CLARA
Region Code: 2
SCVWD ID: 09S3E35E02
Oversite Agency: SCVWD
Date Listed: 1998-03-04 00:00:00
Closed Date: 1998-03-04 00:00:00

9
West
1/2-1
0.723 mi.
3816 ft.

BAS PRECISION SHEET METAL, INC.
16170 JAQUELINE CT
MORGAN HILL, CA 95037

ENVIROSTOR S108741781
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
337 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: Not reported
Division Branch: Cleanup Berkeley
Facility ID: 71003139
Site Code: Not reported
Assembly: 30
Senate: 17
Special Program: Not reported
Status: Inactive - Needs Evaluation
Status Date: Not reported
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.11968
Longitude: -121.6366
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED, NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD983610304
Alias Type: EPA Identification Number
Alias Name: 110000785348
Alias Type: EPA (FRS #)
Alias Name: 71003139
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BAS PRECISION SHEET METAL, INC. (Continued)

S108741781

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

10
West
1/2-1
0.762 mi.
4025 ft.

FRANK'S AUTO SERVICE
16250 RAILROAD AV
MORGAN HILL, CA 95037

CUPA Listings
ENVIROSTOR

1000483007
N/A

Relative:
Higher

CUPA SANTA CLARA:
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS

Actual:
333 ft.

Region: SANTA CLARA
Program Description: GENERATES 5 TO <25 TONS/YR

ENVIROSTOR:

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Rick Jones
Supervisor: David Rasmussen
Division Branch: Cleanup Berkeley
Facility ID: 43340081
Site Code: Not reported
Assembly: 30
Senate: 17
Special Program: Not reported
Status: Refer: Other Agency
Status Date: 07/29/1994
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.11791
Longitude: -121.6377
APN: 817-32-043
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS, * ACID SOLUTION 2>PH WITH METALS, Lead
Confirmed COC: * HALOGENATED SOLVENTS, * ACID SOLUTION 2>PH WITH METALS, Lead, NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 817-32-043
Alias Type: APN
Alias Name: 43340081
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/01/1991
Comments: Though the operation process and waste handling practices at thie

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FRANK'S AUTO SERVICE (Continued)

1000483007

site do not appear to be hazardous to human health and/or the environment, no verification has been conducted. The EPA's FIT program did not conduct a site reconnaissance visit to verify the facts. This fenced facility comprised of a single 20,000 sq ft warehouse building and asphalt pavement around it, was started in 1978 by James Price. Asco operates a business for sheet metal fabrication and servicing & installation of residential air conditioning units. Asco's operations involve a small quantity of hydro-chloric acid (HCL), R-22 freon and generates a lot of lead scraps. The site was suspected to be a potential source of high levels of methylene chloride in site soils of Olin Corp., an adjacent site. Both a history of chemical usage and waste disposal practice at Asco have proved Asco to be harmless in the matter. Asco's location, process or waste management practice also do not appear to have potential of propagating contamination through groundwater, surface water, air or contact routes. The site is currently under the oversight of the city of Morgan Hill Fire Department with no involvement of the Regional Water Quality Control Board (RWQCB) or the Department.

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

11
West
1/2-1
0.781 mi.
4124 ft.

ALL SENSORS INC
16035 VINEYARD BL
MORGAN HILL, CA 95037

CUPA Listings **S108742043**
ENVIROSTOR **N/A**

Relative:
Lower

CUPA SANTA CLARA:
Region: SANTA CLARA
Program Description: HMBP FACILITY, 1-3 CHEMICALS

Actual:
330 ft.

Region: SANTA CLARA
Program Description: GENERATES 100 KG YR TO <5 TONS/YR

ENVIROSTOR:

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 0.5
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Mark Piros
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Facility ID: 71002906
Site Code: 550004
Assembly: 30
Senate: 17

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL SENSORS INC (Continued)

S108742043

Special Program: Not reported
Status: Inactive - Needs Evaluation
Status Date: 06/20/2012
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Not reported
Latitude: 37.11611
Longitude: -121.6392
APN: NONE SPECIFIED
Past Use: MANUFACTURING - CHEMICALS
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED, NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981665532
Alias Type: EPA Identification Number
Alias Name: 550004
Alias Type: Project Code (Site Code)
Alias Name: 71002906
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * LUC Inspection Complete
Completed Date: 01/30/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Selection and Statement of Basis
Completed Date: 12/30/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase I Verification
Completed Date: 01/14/2004
Comments: Inspection report sent on 1/14/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/14/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 09/13/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALL SENSORS INC (Continued)

S108742043

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 01/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/14/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/24/2006
Comments: Not reported

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

12
WSW
1/2-1
0.830 mi.
4380 ft.

JACKSON FAMILY TRUST
235 TENNANT AVENUE
MORGAN HILL, CA 95037

ENVIROSTOR **S110493952**
N/A

Relative:
Lower

ENVIROSTOR:

Actual:
329 ft.

Site Type: Tiered Permit
Site Type Detailed: Tiered Permit
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Violeta Mislang
Supervisor: Robert Senga
Division Branch: Cleanup Cypress
Facility ID: 71002096
Site Code: 550495
Assembly: 30
Senate: 17
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 07/02/2013
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.11513
Longitude: -121.6392
APN: NONE SPECIFIED
Past Use: NONE
Potential COC: NONE SPECIFIED

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

JACKSON FAMILY TRUST (Continued)

S110493952

Confirmed COC: NONE SPECIFIED, NONE SPECIFIED
Potential Description: SOIL
Alias Name: 540033
Alias Type: Project Code (Site Code)
Alias Name: 550495
Alias Type: Project Code (Site Code)
Alias Name: 71002096
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

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

13
WSW
1/2-1
0.891 mi.
4705 ft.

A FRENCH CLEANER
602 TENNANT STATION WAY
MORGAN HILL, CA 95037

VCP **S106166652**
ENVIROSTOR **N/A**

Relative:
Lower

VCP:

Actual:
328 ft.

Facility ID: 60000130
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.05
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Xavier Bryant
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Site Code: 201604
Assembly: 30
Senate: 17
Special Programs Code: Voluntary Cleanup Program
Status: Active
Status Date: 05/05/2005
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 37.11356 / -121.6380
APN: 817-06-055
Past Use: DRY CLEANING, DRY CLEANING
Potential COC: 30022, 30022
Confirmed COC: 30022,, 30022

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Potential Description: SOIL, SV, SOIL
Alias Name: Morgan Hill Bowl
Alias Type: Alternate Name
Alias Name: 817-06-055
Alias Type: APN
Alias Name: 110013820017
Alias Type: EPA (FRS #)
Alias Name: 201604
Alias Type: Project Code (Site Code)
Alias Name: 60000130
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/16/2007
Comments: Field work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/15/2008
Comments: The approval letter references a workplan dated 1-11-08 however the approval letter should have referred to a later version dated 1-14-08 (a correction to the letter was made and initialed. The confusion occurred because the consultant provided two drafts dated 1-11-08 and later corrected the date on the latter version to 1-14-08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/18/2008
Comments: Field work was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/24/2008
Comments: The Community Profile summarized responses to a public survey that

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

DTSC conducted to gauge community interest in the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/15/2010
Comments: Draft RAW public comment period schedule the run from October 20, 2010 thru November 20, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/17/2010
Comments: Public Notice announcing Draft RAW public comment period completed. Public Notice ran in the Morgan Hill Dispatch on October 20, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/14/2011
Comments: Sub-Slab Ventilation System Pilot Test Work Plan approved for implementation. The results of the pilot test will help determine if the ventilation system be either continued or extended to facilitate sub-surface soil gas remediation at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/28/2007
Comments: Amendment requires PDF submission of documents in addition to paper copy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/12/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/20/2011
Comments: Letter #1

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/17/2011
Comments: Collection Letter-Second Request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2011
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2012
Comments: Annual DTSC oversight cost estimate for fiscal year 2012/2013 is \$23,484.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/10/2006
Comments: PEA approved which recommends additional soil gas and groundwater sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 11/17/2006
Comments: Workplan approved requiring groundwater and indoor air assessments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 11/14/2006
Comments: Fieldwork has been completed. A report will be submitted in the 2nd week of December.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/09/2007
Comments: PCE concentration in indoor air is above acceptable limit for commercial use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/31/2007
Comments: Field work was completed.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/26/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 07/27/2012
Comments: DTSC distributed this notice to inform the community about the upcoming pilot test of a soil vapor extraction system to determine if soil vapor extraction is an effective cleanup method for the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/24/2013
Comments: Pilot study indicates that soil vapor extraction is an appropriate remediation technology for the Site. DTSC will modify the selected Site remedy to soil vapor extraction.

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2014
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2014
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 08/31/2013
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 04/30/2013
Schedule Revised Date: 08/21/2013
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 05/30/2013
Schedule Revised Date: 11/18/2013

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 0.05
NPL: NO

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Xavier Bryant
Supervisor: Mark Piros
Division Branch: Cleanup Berkeley
Facility ID: 60000130
Site Code: 201604
Assembly: 30
Senate: 17
Special Program: Voluntary Cleanup Program
Status: Active
Status Date: 05/05/2005
Restricted Use: NO
Site Mgmt. Req.: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.11356
Longitude: -121.6380
APN: 817-06-055
Past Use: DRY CLEANING, DRY CLEANING
Potential COC: Tetrachloroethylene (PCE
Confirmed COC: Tetrachloroethylene (PCE, Tetrachloroethylene (PCE, ,
Tetrachloroethylene (PCE
Potential Description: SOIL, SV, SOIL
Alias Name: Morgan Hill Bowl
Alias Type: Alternate Name
Alias Name: 817-06-055
Alias Type: APN
Alias Name: 110013820017
Alias Type: EPA (FRS #)
Alias Name: 201604
Alias Type: Project Code (Site Code)
Alias Name: 60000130
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 02/07/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/16/2007
Comments: Field work completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 01/15/2008
Comments: The approval letter references a workplan dated 1-11-08 however the approval letter should have referred to a later version dated 1-14-08 (a correction to the letter was made and initialed. The confusion occurred because the consultant provided two drafts dated 1-11-08 and later corrected the date on the latter version to 1-14-08.

Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/18/2008
Comments: Field work was completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 03/17/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/09/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 11/24/2008
Comments: The Community Profile summarized responses to a public survey that DTSC conducted to gauge community interest in the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/15/2010
Comments: Draft RAW public comment period schedule the run from October 20, 2010 thru November 20, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/17/2010
Comments: Public Notice announcing Draft RAW public comment period completed. Public Notice ran in the Morgan Hill Dispatch on October 20, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 12/14/2011
Comments: Sub-Slab Ventilation System Pilot Test Work Plan approved for implementation. The results of the pilot test will help determine if the ventilation system be either continued or extended to facilitate sub-surface soil gas remediation at the Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Cleanup Agreement
Completed Date: 01/26/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 03/28/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Comments: Amendment requires PDF submission of documents in addition to paper copy.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 11/21/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 05/12/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 05/20/2011
Comments: Letter #1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 11/05/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 06/17/2011
Comments: Collection Letter-Second Request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/22/2011
Comments: Annual Oversight Cost Estimate completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/09/2012
Comments: Annual DTSC oversight cost estimate for fiscal year 2012/2013 is \$23,484.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/10/2006
Comments: PEA approved which recommends additional soil gas and groundwater sampling.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 11/17/2006

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Comments: Workplan approved requiring groundwater and indoor air assessments.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Fieldwork

Completed Date: 11/14/2006

Comments: Fieldwork has been completed. A report will be submitted in the 2nd week of December.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 03/09/2007

Comments: PCE concentration in indoor air is above acceptable limit for commercial use.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Fieldwork

Completed Date: 10/31/2007

Comments: Field work was completed.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 02/07/2008

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: *Correspondence - Received

Completed Date: 08/26/2011

Comments: Not reported

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Work Notice

Completed Date: 07/27/2012

Comments: DTSC distributed this notice to inform the community about the upcoming pilot test of a soil vapor extraction system to determine if soil vapor extraction is an effective cleanup method for the Site.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Pilot/Treatability Study Report

Completed Date: 01/24/2013

Comments: Pilot study indicates that soil vapor extraction is an appropriate remediation technology for the Site. DTSC will modify the selected Site remedy to soil vapor extraction.

Future Area Name: PROJECT WIDE

Future Sub Area Name: Not reported

Future Document Type: Removal Action Completion Report

Future Due Date: 2014

Future Area Name: PROJECT WIDE

Future Sub Area Name: Not reported

Future Document Type: Certification

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A FRENCH CLEANER (Continued)

S106166652

Future Due Date: 2014
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Design/Implementation Workplan
Schedule Due Date: 08/31/2013
Schedule Revised Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Public Notice
Schedule Due Date: 04/30/2013
Schedule Revised Date: 08/21/2013
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: CEQA - Notice of Exemption
Schedule Due Date: 05/30/2013
Schedule Revised Date: 11/18/2013

Count: 16 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
GILROY	S112948326	CALTRANS DIST 4/CONSTR/EA04-43R004	E DUNNE AVE ON & OFF RAMP	95037	HAZNET
MORGAN HILL	S109287823	MADRONE LANDFILL	HWY 101 OFBURNETTE AVE N		LDS
MORGAN HILL	S113009717	UNAXIS MATERIALS, INC.	16035TH VINEYARD BLVD & 235 T		HAZNET
MORGAN HILL	S111216295	SHERIMAR RANCH	DIANA AVENUE OF MURPHY AVE E		NPDES
MORGAN HILL	S105557732	WORLD OIL SS #52	16720 16720 MONTEREY HWY	95037	WDS
MORGAN HILL	S105557733	16995 MONTEREY HWY	16995 16995 MONTEREY HWY	95037	WDS
MORGAN HILL	1003879839	SAN FELIPE RD. GAS CYL.	SAN FELIPE RD	95037	CERC-NFRAP
MORGAN HILL	S111292137	MILANO	E SIDE CONDIT OF DUNNE AVE E	95037	NPDES
MORGAN HILL	1006823434	A FRENCH CLEANER	602 TENNANT STATION WAY	95037	FINDS, EMI
MORGAN HILL	S105939402	SADONNA'S HOLIDAY CLEANERS	602 TENNANT AVE	95037	EMI
MORGAN HILL	S112947968	A FRENCH CLEANER	602 TENNANT STATION	95037	HAZNET
SAN MARTIN	S112852930	SAN MARTIN TIRE	13425 MONTEREY HWY	95037	HAZNET
SANTA CLARA	S110734442	MADRONE LANDFILL CLOSURE	HWY	95037	NPDES
SANTA CLARA	S110735778	ROUTE 101 TENNANT AVE INTERCHANGE	STHY 101 & TENNANT AVE	95037	NPDES
SANTA CLARA COUNTY	S113770269	CALTRANS ANIMAL DISPOSAL SITE	HIGHWAY 9		Cortese
SANTA CLARA COUNTY	S107541060		VEHICLE STOPPED ON HWY 101	0	CDL

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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

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: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/23/2013
	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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/15/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	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: 08/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/27/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/18/2013
	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: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

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

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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: 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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 09/28/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

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

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

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

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/26/2013	Source: SWRCB
Date Data Arrived at EDR: 07/26/2013	Telephone: 916-341-5851
Date Made Active in Reports: 08/20/2013	Last EDR Contact: 09/17/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/30/2013
	Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009	Source: State Water Resources Control Board
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 07/03/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/21/2013
	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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/11/2013
	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: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/11/2013
	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: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 07/24/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 07/24/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Semi-Annually

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: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 08/02/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/19/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

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: 08/05/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/27/2013	Last EDR Contact: 09/05/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/18/2013
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/02/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/14/2013
	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.

Date of Government Version: 06/24/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2013	Telephone: 202-566-2777
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 08/05/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	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: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: No Update Planned

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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/16/2013
Number of Days to Update: 60

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 04/26/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 20

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013
Date Data Arrived at EDR: 03/12/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 59

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

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: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

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

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: 12/31/2012
Date Data Arrived at EDR: 04/03/2013
Date Made Active in Reports: 05/14/2013
Number of Days to Update: 41

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

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: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/05/1995	Telephone: 916-341-5851
Date Made Active in Reports: 09/29/1995	Last EDR Contact: 12/28/1998
Number of Days to Update: 24	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: 09/23/2009	Source: Department of Public Health
Date Data Arrived at EDR: 09/23/2009	Telephone: 707-463-4466
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 09/03/2013
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/16/2013
	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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 01/25/1991	Telephone: 916-341-5851
Date Made Active in Reports: 02/12/1991	Last EDR Contact: 07/26/2001
Number of Days to Update: 18	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 07/07/2005	Telephone: N/A
Date Made Active in Reports: 08/11/2005	Last EDR Contact: 06/03/2005
Number of Days to Update: 35	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Local Land Records

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: 02/06/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/25/2013	Telephone: 202-564-6023
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/24/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

LIENS: Environmental Liens Listing

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

Date of Government Version: 06/14/2013	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 06/17/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/21/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
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).

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 55

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Quality Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 06/06/2012

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

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: 07/11/2013

Date Data Arrived at EDR: 08/08/2013

Date Made Active in Reports: 09/13/2013

Number of Days to Update: 36

Source: Environmental Protection Agency

Telephone: (415) 495-8895

Last EDR Contact: 08/08/2013

Next Scheduled EDR Contact: 10/14/2013

Data Release Frequency: Varies

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: 08/05/2013

Next Scheduled EDR Contact: 11/18/2013

Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 11/10/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747

Last EDR Contact: 07/19/2013

Next Scheduled EDR Contact: 10/28/2013

Data Release Frequency: Semi-Annually

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: 12/31/2011

Date Data Arrived at EDR: 02/26/2013

Date Made Active in Reports: 03/13/2013

Number of Days to Update: 15

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

Last EDR Contact: 09/10/2013

Next Scheduled EDR Contact: 12/23/2013

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 01/15/2013
Date Made Active in Reports: 03/13/2013
Number of Days to Update: 57

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: 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: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

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: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

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: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

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: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Every 4 Years

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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
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

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
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 07/01/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/17/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Annually

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: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (415) 947-8000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 09/11/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 12/23/2013
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

RMP: Risk Management Plans

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

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/12/2013
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 07/05/2013	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 07/05/2013	Telephone: 916-323-3400
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 07/05/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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: 10/21/1993	Source: State Water Resources Control Board
Date Data Arrived at EDR: 11/01/1993	Telephone: 916-445-3846
Date Made Active in Reports: 11/19/1993	Last EDR Contact: 06/18/2013
Number of Days to Update: 18	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: No Update Planned

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: 12/11/2012	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 12/12/2012	Telephone: 916-327-4498
Date Made Active in Reports: 01/04/2013	Last EDR Contact: 09/10/2013
Number of Days to Update: 23	Next Scheduled EDR Contact: 12/24/2012
	Data Release Frequency: Annually

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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 06/25/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/14/2013
	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: 04/26/2013	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/29/2013	Telephone: 916-445-9379
Date Made Active in Reports: 05/16/2013	Last EDR Contact: 08/08/2013
Number of Days to Update: 17	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 07/16/2013	Telephone: 916-255-1136
Date Made Active in Reports: 08/26/2013	Last EDR Contact: 07/16/2013
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/28/2013
	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: 12/31/2010	Source: California Air Resources Board
Date Data Arrived at EDR: 06/25/2013	Telephone: 916-322-2990
Date Made Active in Reports: 08/22/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 58	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Varies

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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/19/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/28/2013
	Data Release Frequency: Semi-Annually

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: 08/01/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 11/04/2013
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 08/23/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 12/02/2013
	Data Release Frequency: Quarterly

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 08/02/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 11/11/2013
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 05/02/2013
Date Data Arrived at EDR: 06/13/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 41

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan 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: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

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: 07/15/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/16/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/21/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 36

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 19

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
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

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: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administered lands of the United States. Lands included are administered 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
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: N/A

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013	Source: EPA
Date Data Arrived at EDR: 07/03/2013	Telephone: 202-564-6023
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 08/22/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

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: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013	Source: EPA
Date Data Arrived at EDR: 01/30/2013	Telephone: 202-564-5962
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 100	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Annually

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: 06/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2013	Telephone: 617-520-3000
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 08/07/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 11/25/2013
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 US Hist Auto Stat: 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 US Hist Cleaners: 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.

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 US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 14

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/28/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

COLUSA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list.

Date of Government Version: 06/20/2013

Date Data Arrived at EDR: 07/01/2013

Date Made Active in Reports: 08/09/2013

Number of Days to Update: 39

Source: Health & Human Services

Telephone: 530-458-0396

Last EDR Contact: 08/08/2013

Next Scheduled EDR Contact: 11/25/2013

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: 06/10/2013

Date Data Arrived at EDR: 06/11/2013

Date Made Active in Reports: 07/24/2013

Number of Days to Update: 43

Source: Contra Costa Health Services Department

Telephone: 925-646-2286

Last EDR Contact: 08/05/2013

Next Scheduled EDR Contact: 11/18/2013

Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List

Cupa Facility list

Date of Government Version: 01/09/2013

Date Data Arrived at EDR: 01/10/2013

Date Made Active in Reports: 02/25/2013

Number of Days to Update: 46

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426

Last EDR Contact: 07/31/2013

Next Scheduled EDR Contact: 08/19/2013

Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/20/2013

Date Data Arrived at EDR: 05/21/2013

Date Made Active in Reports: 06/25/2013

Number of Days to Update: 35

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623

Last EDR Contact: 08/05/2013

Next Scheduled EDR Contact: 11/18/2013

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: 06/30/2013

Date Data Arrived at EDR: 07/16/2013

Date Made Active in Reports: 07/24/2013

Number of Days to Update: 8

Source: Dept. of Community Health

Telephone: 559-445-3271

Last EDR Contact: 07/15/2013

Next Scheduled EDR Contact: 10/28/2013

Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List CUPA facility list.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List Cupa facility list.

Date of Government Version: 06/26/2012
Date Data Arrived at EDR: 06/27/2012
Date Made Active in Reports: 08/17/2012
Number of Days to Update: 51

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

KERN COUNTY:

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

Date of Government Version: 08/31/2010
Date Data Arrived at EDR: 09/01/2010
Date Made Active in Reports: 09/30/2010
Number of Days to Update: 29

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 06/20/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 58

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2013
Date Data Arrived at EDR: 01/25/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 33

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/08/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/22/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/22/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/05/2009
Date Data Arrived at EDR: 03/10/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 29

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 01/30/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 03/25/2013
Number of Days to Update: 32

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/31/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 26

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
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: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

MADERA 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: 04/15/2013
Date Data Arrived at EDR: 04/16/2013
Date Made Active in Reports: 05/17/2013
Number of Days to Update: 31

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 27

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA Facility List

CUPA Facility List

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/21/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

NAPA COUNTY:

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: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
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: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 05/29/2013
Date Data Arrived at EDR: 05/30/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 46

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/15/2013
Date Made Active in Reports: 06/12/2013
Number of Days to Update: 28

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/15/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 41

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2013
Date Data Arrived at EDR: 05/15/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 41

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 14

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/20/2013
Next Scheduled EDR Contact: 12/23/2013
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: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/18/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Toxic Site Clean-Up List

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

Date of Government Version: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
Next Scheduled EDR Contact: 10/21/2013
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: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 46

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
Next Scheduled EDR Contact: 10/21/2013
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.

Date of Government Version: 05/30/2013
Date Data Arrived at EDR: 05/31/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 45

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/17/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 44

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/06/2012
Date Made Active in Reports: 11/30/2012
Number of Days to Update: 24

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

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

Date of Government Version: 06/18/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 57

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/18/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
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: 09/13/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 06/03/2013
Date Data Arrived at EDR: 06/04/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
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: 06/03/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 39

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/16/2013
Date Data Arrived at EDR: 05/17/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 39

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List CUPA facility listing.

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 05/29/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 29

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List Cupa Facility List.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 53

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 61

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List Cupa Facility list

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Leaking Underground Storage Tank Sites

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

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 69

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/14/2013
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 42

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

VENTURA COUNTY:

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: 04/26/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 34

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
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
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
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
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/28/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 49

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/30/2013
Next Scheduled EDR Contact: 11/11/2013
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: 05/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 64

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 55

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/07/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 37

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/01/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TENNANT AVENUE AG SITE
APNS# 817-140-04, 817-140-09, & 817-140-05
MORGAN HILL, CA 95037

TARGET PROPERTY COORDINATES

Latitude (North):	37.1175 - 37° 7' 3.00"
Longitude (West):	121.6225 - 121° 37' 21.00"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	622381.9
UTM Y (Meters):	4108591.5
Elevation:	331 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	37121-A5 GILROY, CA
Most Recent Revision:	1981
North Map:	37121-B5 MOUNT SIZER, CA
Most Recent Revision:	1978
West Map:	37121-A6 MOUNT MADONNA, CA
Most Recent Revision:	1994
Northwest Map:	37121-B6 MORGAN HILL, CA
Most Recent Revision:	1980

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).

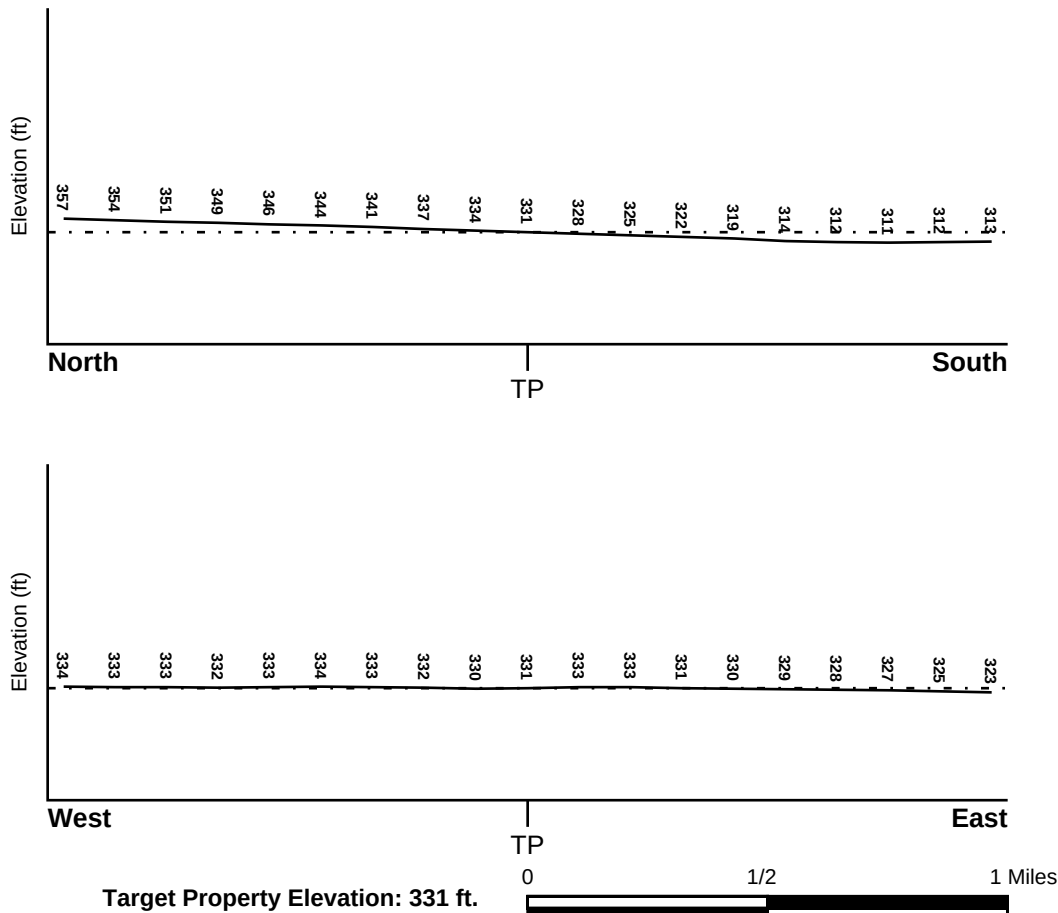
TOPOGRAPHIC INFORMATION

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 South

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
Location Relative to TP:	1/2 - 1 Mile West
Site Name:	OLIN CORP MORGAN HILL PLT
Site EPA ID Number:	CAD009183831
Groundwater Flow Direction:	Southeast
Measured Depth to Water:	80 feet.
Hydraulic Connection:	The aquifer underlying the site is unconfined.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information based on site-specific subsurface investigations is documented in the CERCLIS investigation report(s)

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

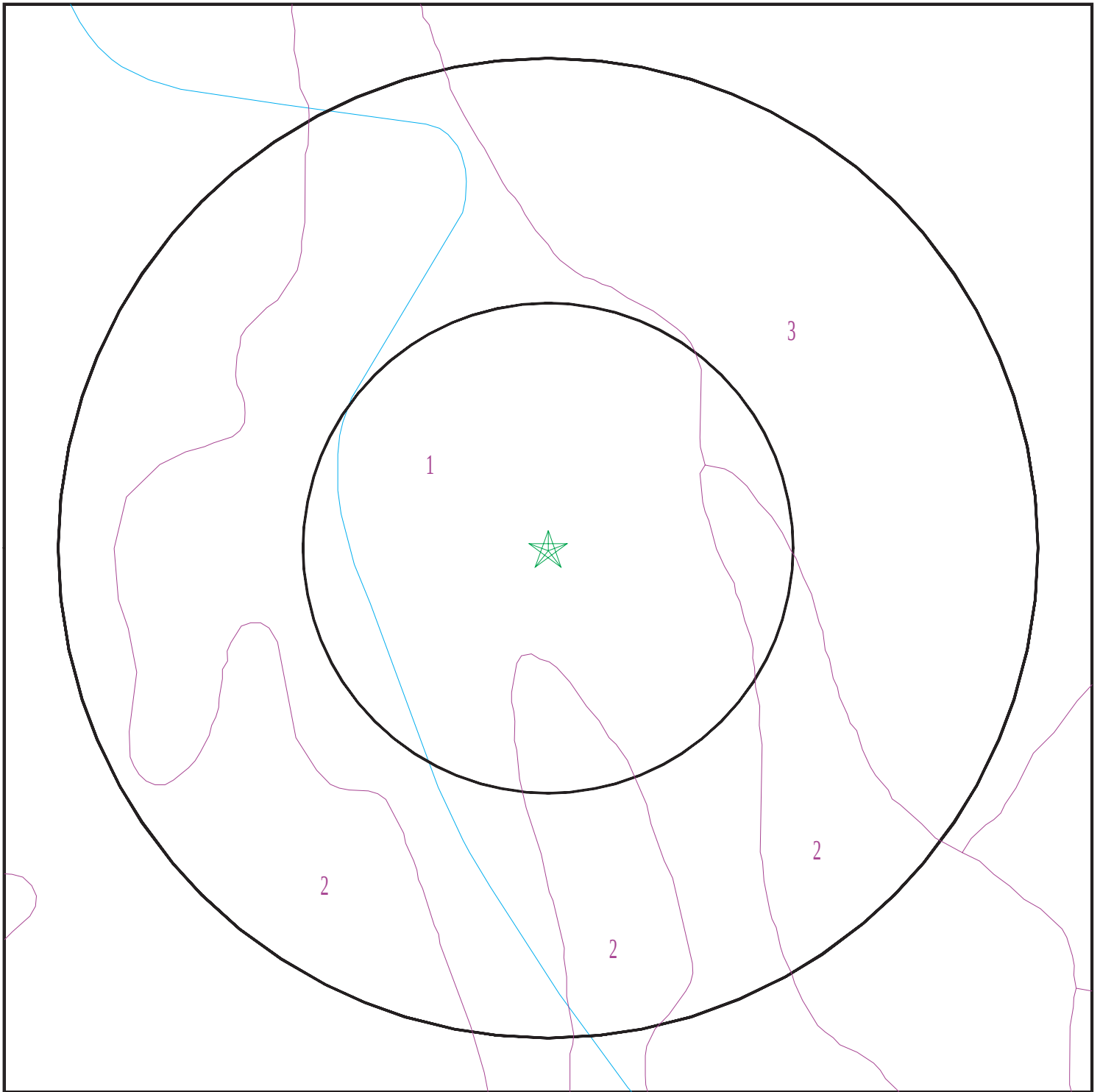
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q (decoded above as Era, System & Series)

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 - 3732253.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Tennant Avenue Ag Site
ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05
Morgan Hill CA 95037
LAT/LONG: 37.1175 / 121.6225

CLIENT: Weber, Hayes, & Associates
CONTACT: Jacob Aman
INQUIRY #: 3732253.2s
DATE: September 18, 2013 4:42 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.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	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.	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	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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

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

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: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	20 inches	35 inches	clay	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: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	35 inches	50 inches	clay 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: 4 Min: 1.4	Max: 8.4 Min: 7.9
4	50 inches	59 inches	sandy clay 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: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: ARBUCKLE

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: Low

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	20 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2
2	20 inches	40 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2
3	40 inches	59 inches	very gravelly sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 6.2

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.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

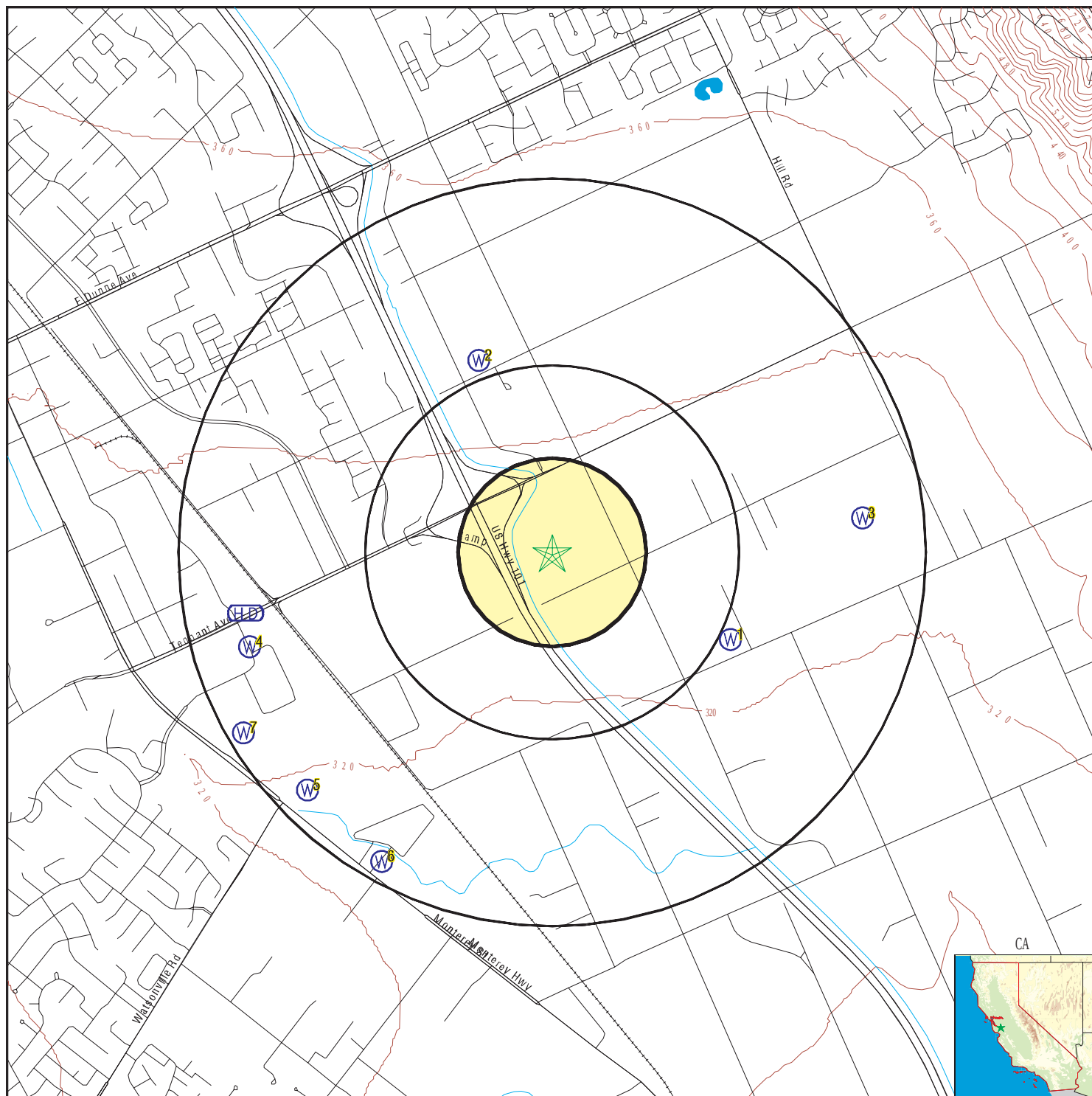
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	9409	1/2 - 1 Mile ESE
2	9396	1/2 - 1 Mile NNW
3	9395	1/2 - 1 Mile East
4	9404	1/2 - 1 Mile WSW
5	19832	1/2 - 1 Mile SW
6	9407	1/2 - 1 Mile SSW
7	9405	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 3732253.2s



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

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

SITE NAME: Tennant Avenue Ag Site
 ADDRESS: APNs# 817-140-04, 817-140-09, & 817-140-05
 Morgan Hill CA 95037
 LAT/LONG: 37.1175 / 121.6225

CLIENT: Weber, Hayes, & Associates
 CONTACT: Jacob Aman
 INQUIRY #: 3732253.2s
 DATE: September 18, 2013 4:42 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
ESE
1/2 - 1 Mile
Lower

CA WELLS 9409

Water System Information:

Prime Station Code:	09S/03E-35C08 M	User ID:	43C
FRDS Number:	4300757001	County:	Santa Clara
District Number:	73	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	370651.0 1213646.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300757		
System Name:	CHIRI SWEET WATER COMPANY		
Organization That Operates System:	15465 LEANN CRT MORGAN HILL, CA 95037		
Pop Served:	40	Connections:	10
Area Served:	Not Reported		
Sample Collected:	04/02/2007	Findings:	79. MG/L
Chemical:	NITRATE (AS NO3)		

2
NNW
1/2 - 1 Mile
Higher

CA WELLS 9396

Water System Information:

Prime Station Code:	09S/03E-27G04 M	User ID:	HEN
FRDS Number:	4310006006	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370730.0 1213730.0	Precision:	100 Feet (one Second)
Source Name:	CONDIT WELL		
System Number:	4310006		
System Name:	City of Morgan Hill		
Organization That Operates System:	17555 Peak Avenue Morgan Hill, CA 95037		
Pop Served:	27948	Connections:	9290
Area Served:	CITY OF MORGAN HILL		
Sample Collected:	02/01/2011	Findings:	530. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/09/2011	Findings:	520. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/09/2011	Findings:	8.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/30/2012	Findings:	560. US
Chemical:	SPECIFIC CONDUCTANCE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/30/2012	Findings:	7.74
Chemical:	PH, LABORATORY		
Sample Collected:	05/30/2012	Findings:	120. MG/L
Chemical:	ALKALINITY (TOTAL) AS CaCO ₃		
Sample Collected:	05/30/2012	Findings:	150. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	05/30/2012	Findings:	211. MG/L
Chemical:	HARDNESS (TOTAL) AS CaCO ₃		
Sample Collected:	05/30/2012	Findings:	48. MG/L
Chemical:	CALCIUM		
Sample Collected:	05/30/2012	Findings:	22. MG/L
Chemical:	MAGNESIUM		
Sample Collected:	05/30/2012	Findings:	27. MG/L
Chemical:	SODIUM		
Sample Collected:	05/30/2012	Findings:	1.2 MG/L
Chemical:	POTASSIUM		
Sample Collected:	05/30/2012	Findings:	69. MG/L
Chemical:	CHLORIDE		
Sample Collected:	05/30/2012	Findings:	0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	05/30/2012	Findings:	260. UG/L
Chemical:	IRON		
Sample Collected:	05/30/2012	Findings:	330. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	05/30/2012	Findings:	8.6 MG/L
Chemical:	NITRATE (AS NO ₃)		
Sample Collected:	05/30/2012	Findings:	1.5 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	05/30/2012	Findings:	11.91
Chemical:	AGGRESSIVE INDEX (CORROSIVITY)		
Sample Collected:	05/30/2012	Findings:	1900. UG/L
Chemical:	NITRATE + NITRITE (AS N)		
Sample Collected:	05/30/2012	Findings:	1.7 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	05/30/2012	Findings:	0.44 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	05/30/2012	Findings:	2.8 PCI/L
Chemical:	GROSS ALPHA MDA95		
Sample Collected:	05/30/2012	Findings:	0.72 PCI/L
Chemical:	RADIUM 228 MDA95		

3
East
1/2 - 1 Mile
Lower

CA WELLS 9395

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	09S/03E-26A01 M	User ID:	43C
FRDS Number:	4300639001	County:	Santa Clara
District Number:	73	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	370708.0 1213623.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300639		
System Name:	CHIALA WATER SYSTEM		
Organization That Operates System:	15835 CAREY AVE. MORGAN HILL, CA 95037		
Pop Served:	35	Connections:	8
Area Served:	Not Reported		

4
WSW
1/2 - 1 Mile
Lower

CA WELLS 9404

Water System Information:

Prime Station Code:	09S/03E-34D06 M	User ID:	HEN
FRDS Number:	4310006014	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370650.0 1213810.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	TENNANT WELL		
System Number:	4310006		
System Name:	City of Morgan Hill		
Organization That Operates System:	17555 Peak Avenue Morgan Hill, CA 95037		
Pop Served:	27948	Connections:	9290
Area Served:	CITY OF MORGAN HILL		
Sample Collected:	01/04/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/04/2011	Findings:	510. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/04/2011	Findings:	6.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/11/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/11/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/11/2011	Findings:	5.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	01/18/2011	Findings:	480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	01/18/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	01/18/2011	Findings:	5.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/01/2011	Findings:	510. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/01/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/01/2011	Findings:	6. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/08/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/08/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/08/2011	Findings:	6.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/15/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/15/2011	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	02/16/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/22/2011	Findings:	460. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/22/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/22/2011	Findings:	5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/01/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/01/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/08/2011	Findings:	460. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/08/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/08/2011	Findings:	5.7 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	03/15/2011	Findings:	460. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/15/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/22/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/22/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	03/29/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	03/29/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/29/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/05/2011	Findings:	480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/05/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/05/2011	Findings:	5.9 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/12/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/12/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/12/2011	Findings:	5.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	04/19/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/19/2011	Findings:	29. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	04/26/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	04/26/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/03/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/03/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/03/2011	Findings:	4.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/10/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/10/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/10/2011	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/17/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/17/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/17/2011	Findings:	6.1 UG/L
Chemical:	PERCHLORATE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	05/24/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/24/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/24/2011	Findings:	6. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	05/31/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	05/31/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/31/2011	Findings:	5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/07/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/07/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/07/2011	Findings:	5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/14/2011	Findings:	460. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/14/2011	Findings:	27. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/21/2011	Findings:	480. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/21/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/21/2011	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	06/28/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/28/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/28/2011	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/05/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/05/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/05/2011	Findings:	5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/12/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/12/2011	Findings:	510. US
Chemical:	SPECIFIC CONDUCTANCE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	07/12/2011	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/19/2011	Findings:	29. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/19/2011	Findings:	510. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/19/2011	Findings:	4.1 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	07/26/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	07/26/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/26/2011	Findings:	5. UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/02/2011	Findings:	490. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/02/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/02/2011	Findings:	4.8 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/09/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/09/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/09/2011	Findings:	5.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/16/2011	Findings:	320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/16/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/16/2011	Findings:	8.2 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/23/2011	Findings:	490. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/23/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/23/2011	Findings:	4.4 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	08/30/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	08/30/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/30/2011	Findings:	5.5 UG/L
Chemical:	PERCHLORATE		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Sample Collected:	09/07/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/07/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/13/2011	Findings:	500. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/13/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/13/2011	Findings:	5.5 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/20/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/20/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/20/2011	Findings:	4.6 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/27/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/27/2011	Findings:	28. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/27/2011	Findings:	7.3 UG/L
Chemical:	PERCHLORATE		
Sample Collected:	09/30/2011	Findings:	470. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/30/2011	Findings:	6.6 UG/L
Chemical:	PERCHLORATE		

5
SW
1/2 - 1 Mile
Lower

CA WELLS 19832

Water System Information:

Prime Station Code:	4300917-001	User ID:	HEN
FRDS Number:	4300917001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370630.0 1213800.0	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 01		
System Number:	4300917		
System Name:	California Div of Forestry		
Organization That Operates System:	15670 MONTEREY MORGAN HILL, CA 95037		
Pop Served:	25	Connections:	5
Area Served:	Not Reported		

6
SSW
1/2 - 1 Mile
Lower

CA WELLS 9407

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Water System Information:

Prime Station Code:	09S/03E-34L08 M	User ID:	HEN
FRDS Number:	4300602001	County:	Santa Clara
District Number:	05	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370620.0 1213747.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300602		
System Name:	Economy Inn		
Organization That Operates System:	15080 MONTEREY RD MORGAN HILL, CA 95037		
Pop Served:	25	Connections:	4
Area Served:	Not Reported		
Sample Collected:	02/23/2011	Findings:	37. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/25/2011	Findings:	40. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/24/2011	Findings:	44. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/21/2011	Findings:	36. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/23/2012	Findings:	35. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	08/08/2012	Findings:	38. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	11/19/2012	Findings:	38. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/20/2013	Findings:	38. MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	05/14/2013	Findings:	40. MG/L
Chemical:	NITRATE (AS NO3)		

7
WSW
1/2 - 1 Mile
Lower

CA WELLS 9405

Water System Information:

Prime Station Code:	09S/03E-34E02 M	User ID:	43C
FRDS Number:	4300628001	County:	Santa Clara
District Number:	73	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	370638.0 1213811.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	4300628		
System Name:	CALIF DIV OF FORESTRY		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
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
95037	21	0

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: 95037

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.300 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.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

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 Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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 Health Services

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 IRRA 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 D

- **1980 *Supply Well Driller's Report***
- **Groundwater Monitoring Reports from the Olin Corporation Perchlorate Plume (425 Tennant Ave)**



ORIGINAL

File with DWR

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES
WATER WELL DRILLERS REPORT

Do not fill in

No. 057767

State Well No. 953827J09

Other Well No.

a of Intent No.

Local Permit No. or Date 30W0048

(1) OWNER: Name J E Acton

Address P.O. Box 575

City Morgan Hill, CA

Zip 95037

(2) LOCATION OF WELL (See instructions):

County Santa Clara Owner's Well Number

Well address if different from above

Township Range Section

Distance from cities, roads, railroads, fences, etc.

(12) WELL LOG: Total depth 308 ft. Depth of completed well 300 ft.
from ft. to ft. Formation (Describe by color, character, size or material)

0 - 4 Sandy Clay + Gravel

4 - 44 Gravel

44 - 86 Clay

86 - 145 Gravel

145 - 184 Gravel Clay sh/s

184 - 192 Clay

192 - 200 Fine Brown Sand

200 - 235 Clay

235 - 284 Clay Gravel sh/s

284 - 300 Gravel

300 - 308 Clay

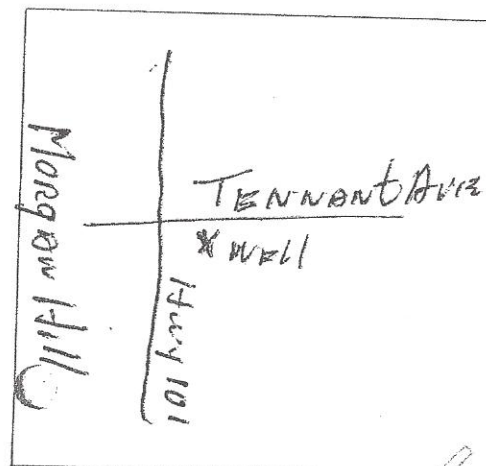
(3) TYPE OF WORK:

New Well ☒ Deepening ☐Reconstruction ☐Reconditioning ☐Horizontal Well ☐Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐Irrigation ☒Industrial ☐Test Well ☐Stock ☐Municipal ☐Other ☐

WELL LOCATION SKETCH



(5) EQUIPMENT:

Rotary ☒ Reverse ☐Cable ☐ Air ☐Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☒ No ☐ Size 1/8"

Diameter of bore 18"

Packed from 50 to 300 ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS: Saw

Type of perforation or size of screen

From ft. To ft. Dia. in. Gage or Wall

0 300 12 7/8

From ft. To ft. Slot size

100 180 8 1/8

240 300 8 1/8

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.Were strata sealed against pollution? Yes ☐ No ☒ Interval ft.

Method of sealing Cement

(10) WATER LEVELS:

Depth of first water, if known

Standing level after well completion 440 ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? RWDType of test Pump ☐ Bailer ☐ Air lift ☒

Depth to water at start of test 440 ft.

At end of test 46 ft.

Flow rate 800 gal/min after 2 hours

Water temperature

Chemical analysis made? Yes ☐ No ☒ If yes, by whom?Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

Work started 4-1-80 Completed 4-15-80

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED R. Roman

(Well Driller)

NAME Roman Well Drilling

(Person, firm or corporation) (Typed or printed)

Address 2896 Soquel Ave

City Santa Cruz, CA Zip 95062

License No. 245064 Date of this report 4-1-80

DWR 188 (REV. 7-76)

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Santa Clara Valley Water District



PERMIT COMPLETION NOTICE

FC 218 (09-08-77)

5750 ALMADEN EXPRESSWAY • SAN JOSE • CALIFORNIA • 95118

To: Design Coordination Division Permits Section	Permit Number: 80W00HP
From: Water Measurement Section	Well/Hole Number(s): 953E27J09
Permittee: ROMAN WELL DRILLING	Date Issued: 4/16/80
	Expiration Date:

Activity under this permit has been inspected by (Print) R HOLCOMB Date: 4/18/80
of the: ☒ Water Measurement Section ☐ Resources Management Division ☐ Environmental Health Services

COMMENTS:

- ☒ Completed according to provision of the Permit ☐ No Notification given as per General Condition "A" of Permit
☐ Permit expired before work commenced ☐ Permit expired before work completed

Additional comments: (Print)

POURED 53' SEAL

Inspector (Signature): <u>R Holcomb</u>	Date: <u>4/20/80</u>
Water Measurement Section: <u>RP 4/20</u>	Permits Section: (Initial)
Basic Data Section: <u>LM 4-30-80</u>	

Distribution: White - Permits Section Canary - Permittee Pink - Water Measurement Section

July 30, 2013



Project 6107130012.02.02

Mr. Dean Thomas, PG
Engineering Geologist
Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401

Subject: Second Quarter 2013 Groundwater Monitoring Report
Monitoring and Reporting Program R3-2008-0028
Olin Site
425 Tennant Avenue
Morgan Hill, California

Dear Mr. Thomas:

AMEC Environment & Infrastructure, Inc. (AMEC) has prepared this report on behalf of Olin Corporation (Olin) to present the results of the Second Quarter 2013 (referred to herein as "2Q13") groundwater monitoring and remediation activities conducted for the Olin Site located at 425 Tennant Avenue, Morgan Hill, California (the "Site"). This report describes the activities conducted pursuant to Monitoring and Reporting Program (MRP) R3-2008-0028 and pursuant to Cleanup or Abatement Order R3-2004-0101, as modified by the Central Coast Regional Water Quality Control Board ("Water Board") and the State Water Resources Control Board ("State Board") Order WQ 2005-0007 ("State Board Order"), which established the Replacement Water Program (RWP). Remediation activities were conducted in compliance with Cleanup and Abatement Order R3-2007-0077, Ordering Paragraph D (the "CAO"; Water Board, 2007).

BACKGROUND

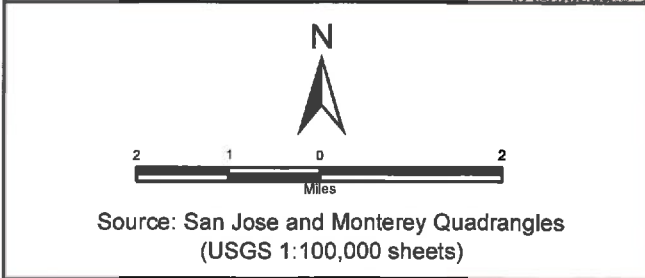
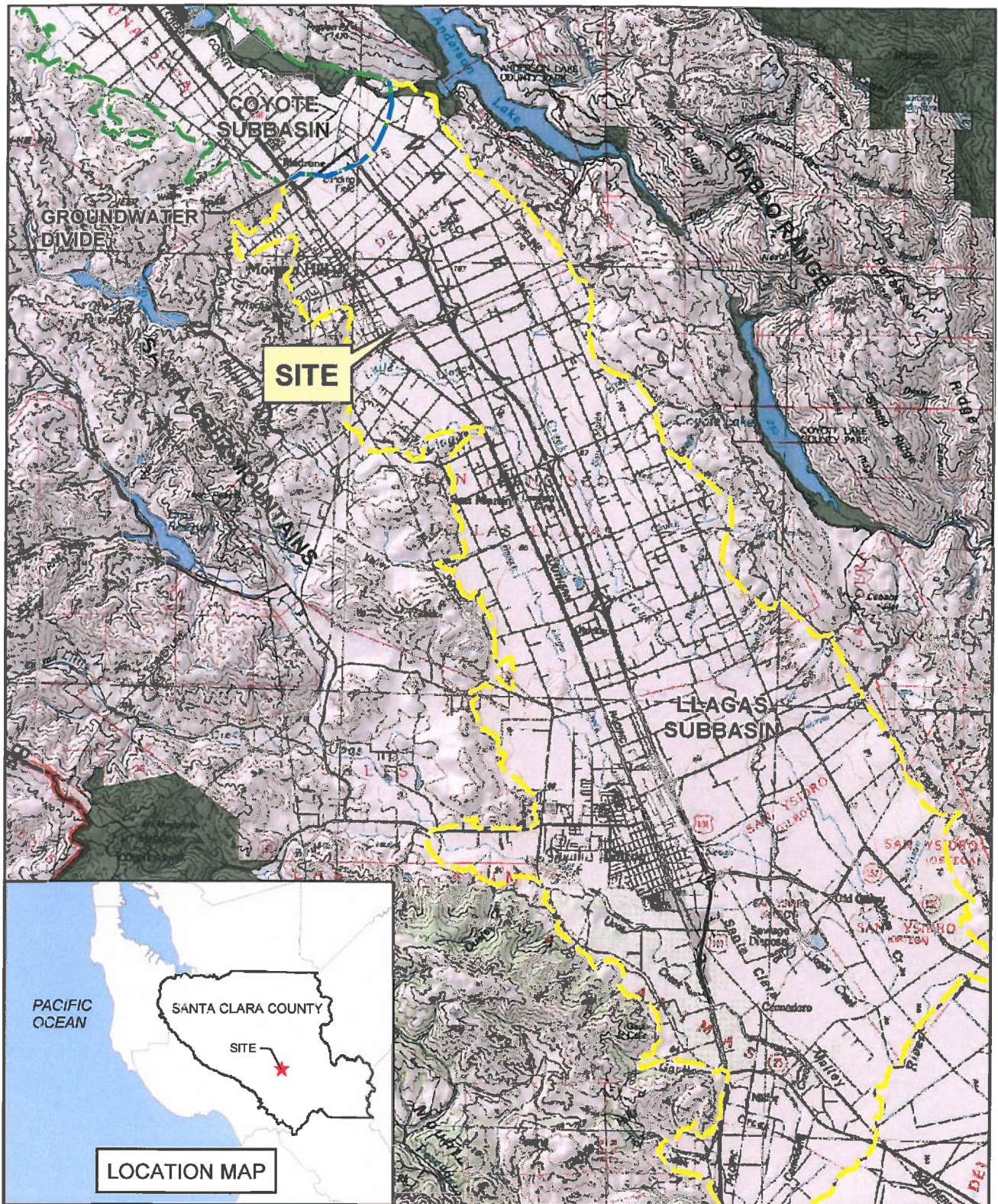
The Site is an approximately 13-acre parcel of land located in the City of Morgan Hill, California, within the Llagas Subbasin ("Subbasin") of the Gilroy-Hollister Groundwater Basin in southern Santa Clara County (see Figure 1). The geologic and hydrogeologic features of the Subbasin are detailed in the *Llagas Subbasin Characterization – 2008* report (MACTEC, 2009a), with refined descriptions included in the 2009, 2010, 2011, and 2012 Annual Cleanup Progress Status Reports (CPSRs; MACTEC, 2010a, 2011; AMEC, 2012, 2013a).

Groundwater flow occurs in three aquifers, as follows:

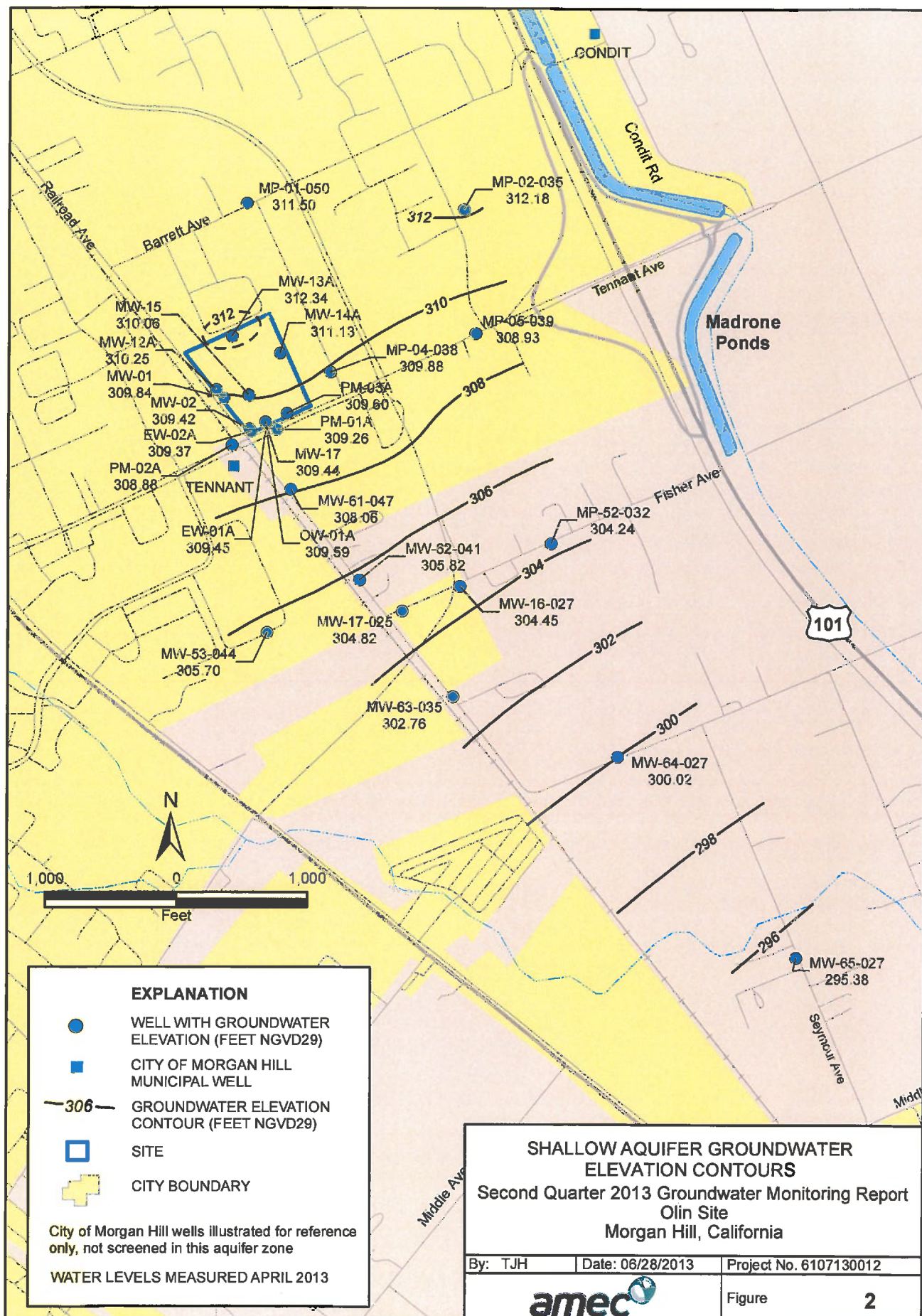
- Shallow aquifer (from surface to approximately 50 feet below ground surface [bgs])
- Intermediate aquifer (approximately 70–180 feet bgs)
- Deep aquifer (approximately 200–400 feet bgs)

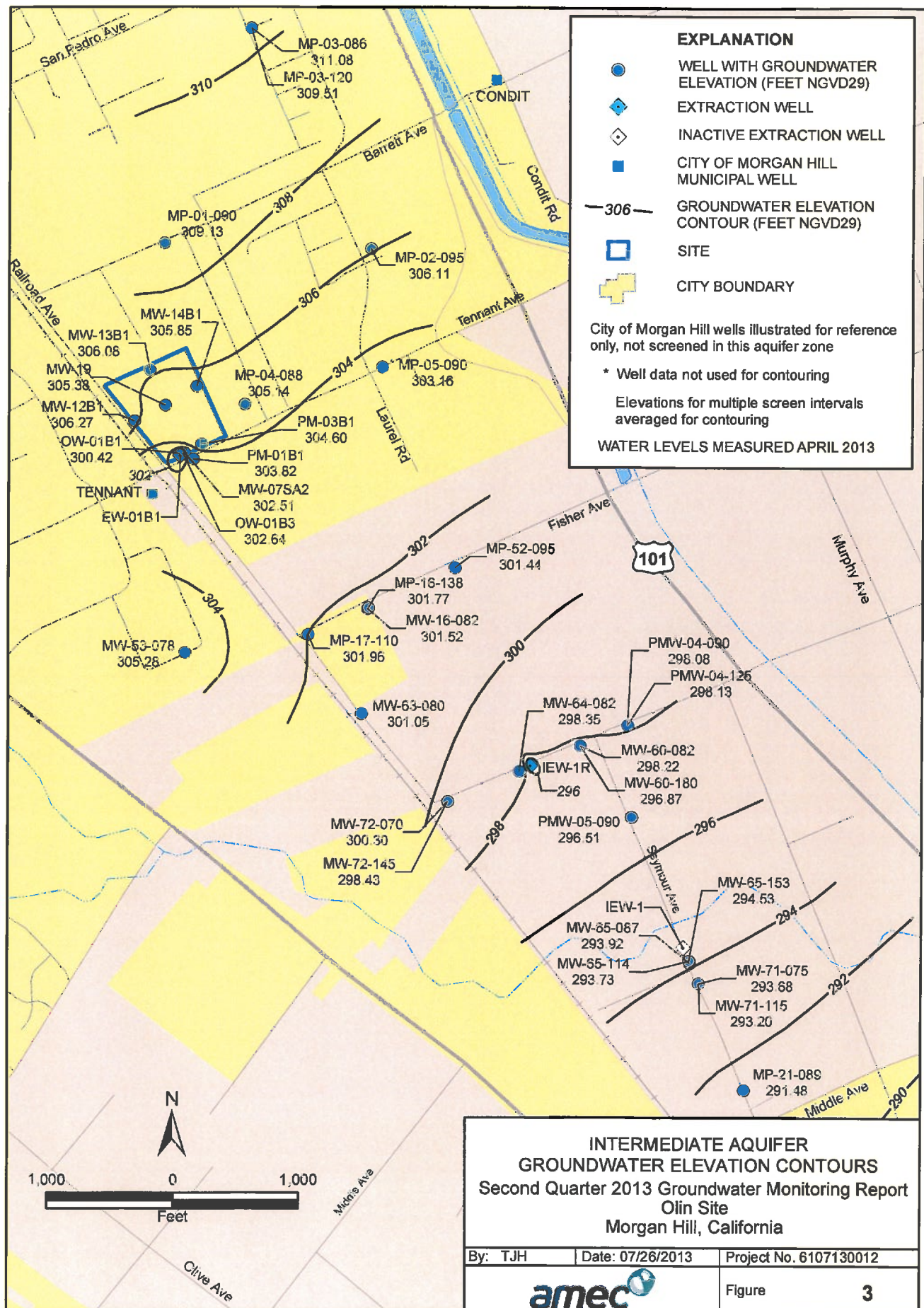
These depth intervals vary with distance from the Site and are separated by aquitards that consist of silty material with discontinuous sand stringers. The intermediate and deep aquifers are each subdivided into three zones (upper, middle, and lower), based on hydraulic head profiles at depth-discrete monitoring wells. Most groundwater pumped by domestic and

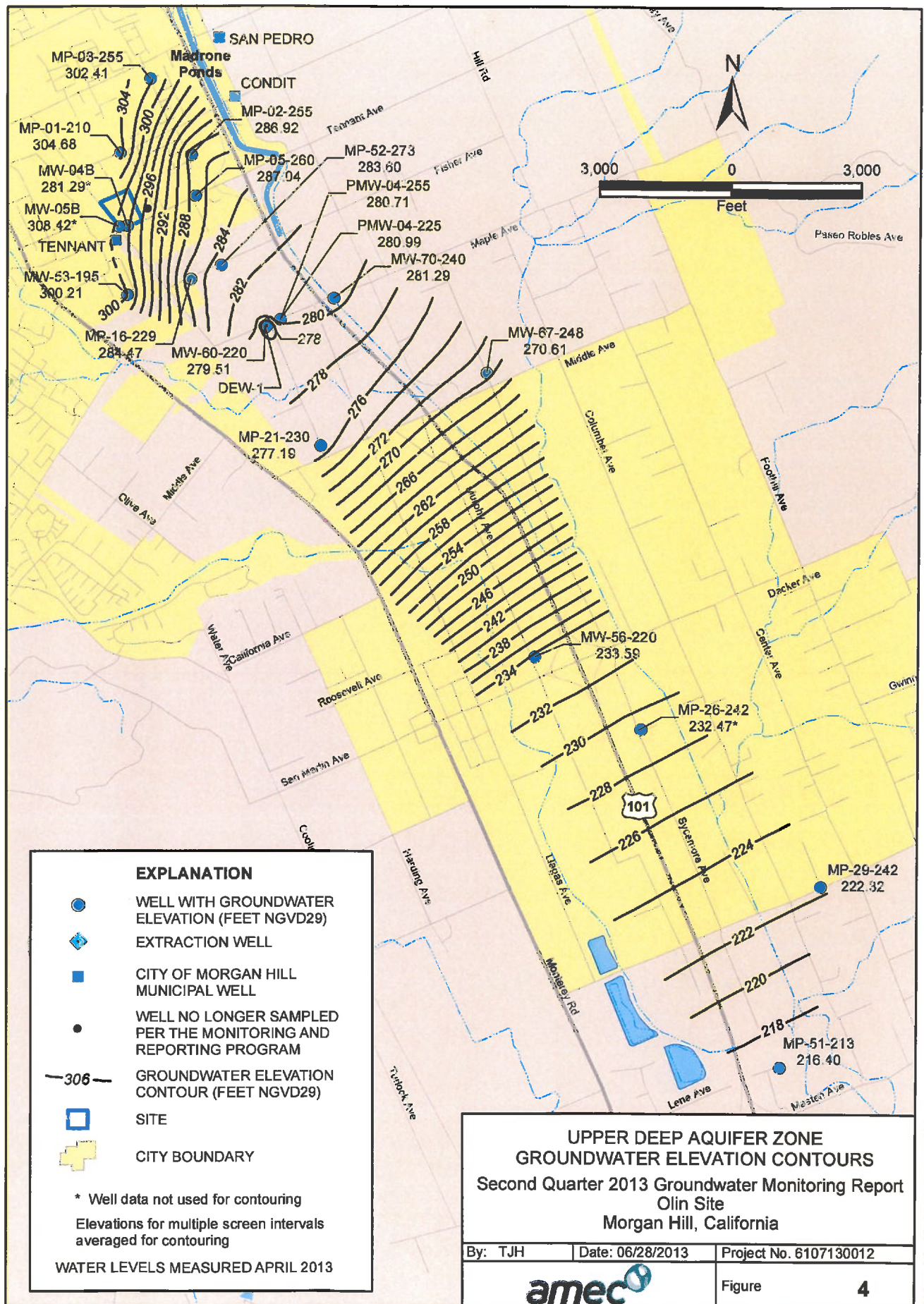
AMEC Environment & Infrastructure, Inc.
2101 Webster Street, 12th Floor
Oakland, California 94612-3066
USA
Tel (510) 663-4100
Fax (510) 663-4141
amec.com

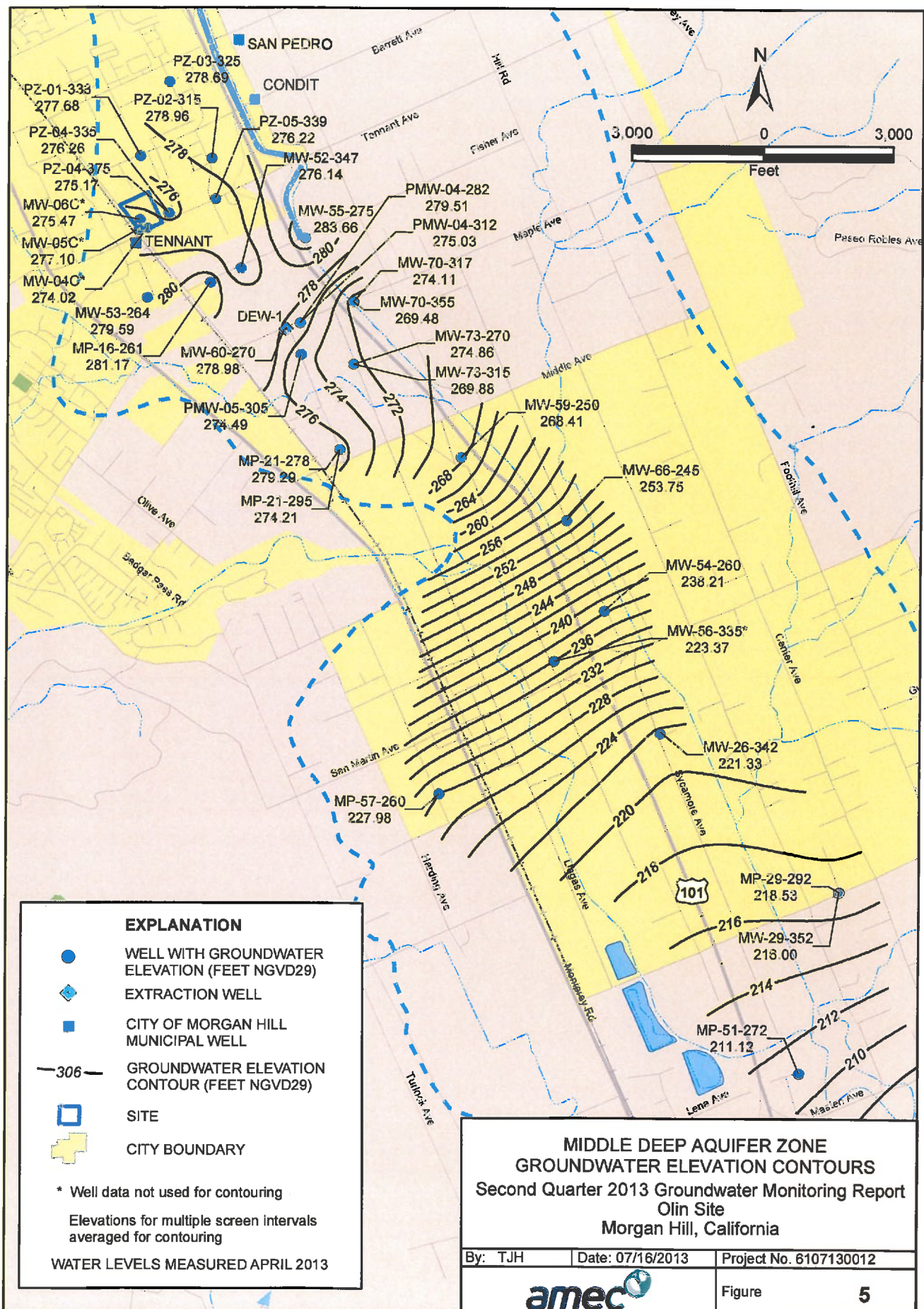


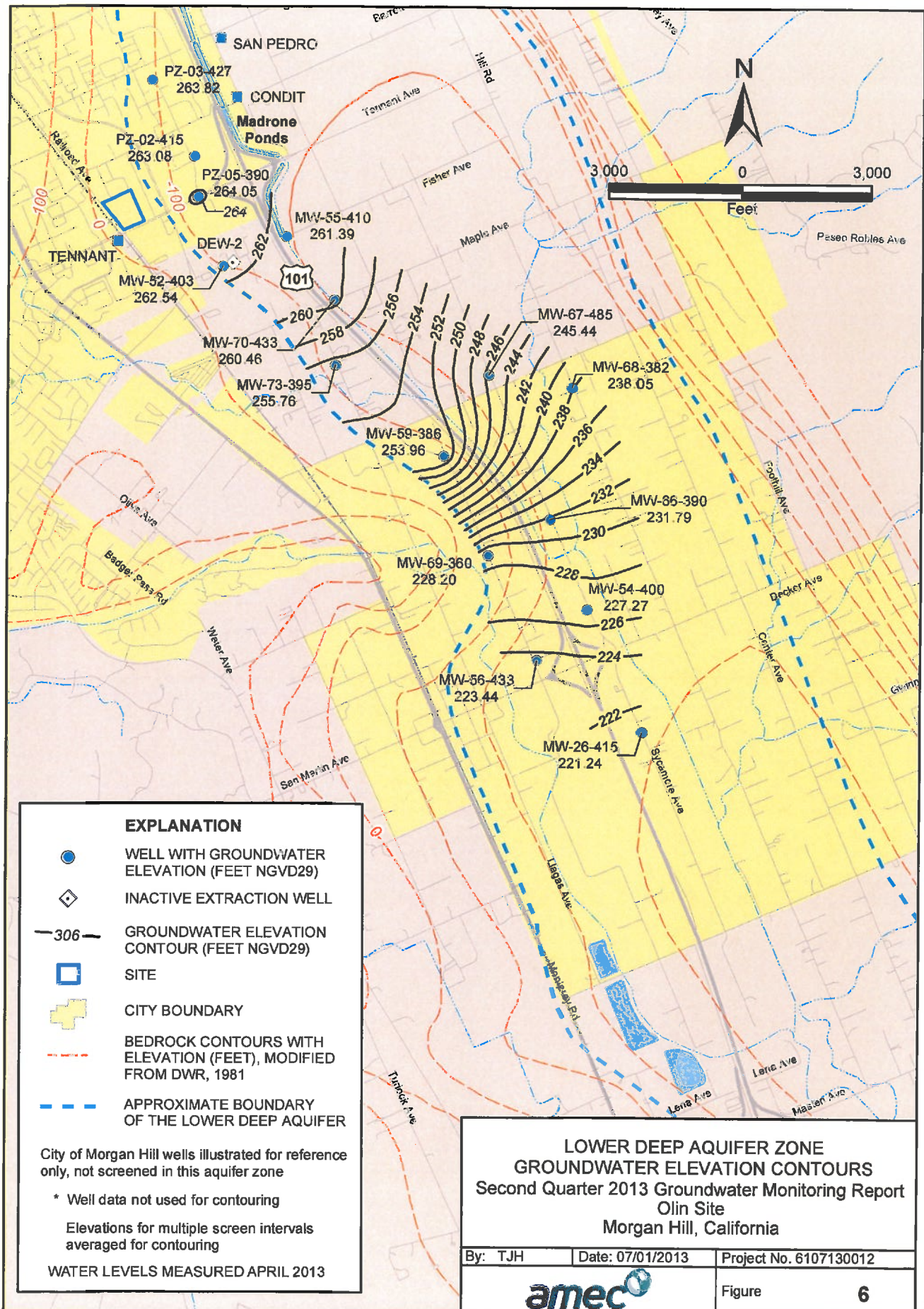
SITE LOCATION MAP Second Quarter 2013 Groundwater Monitoring Report Olin Site Morgan Hill, California		
By: TJH	Date: 07/26/2013	Project No. 6107130012
		Figure 1

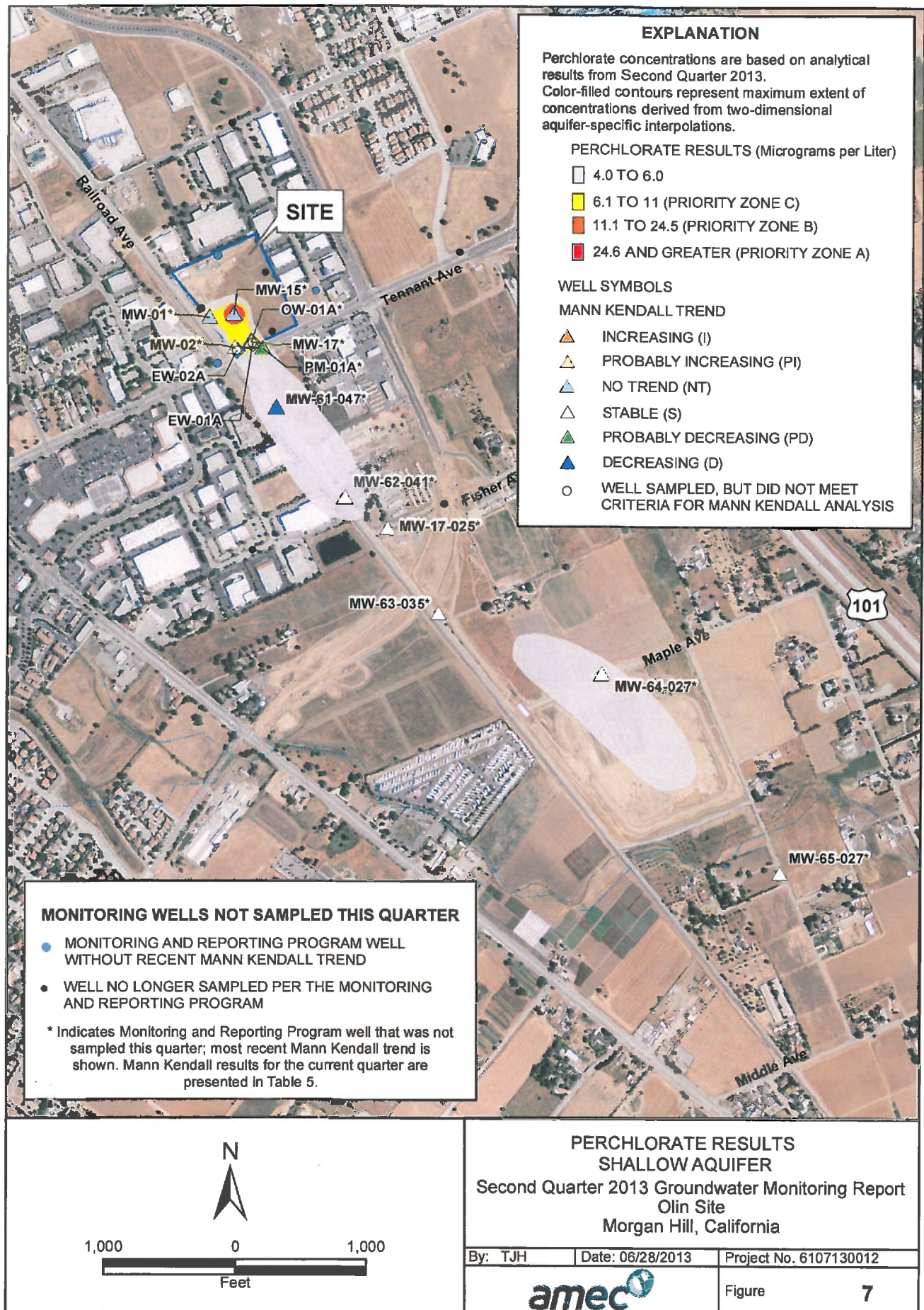


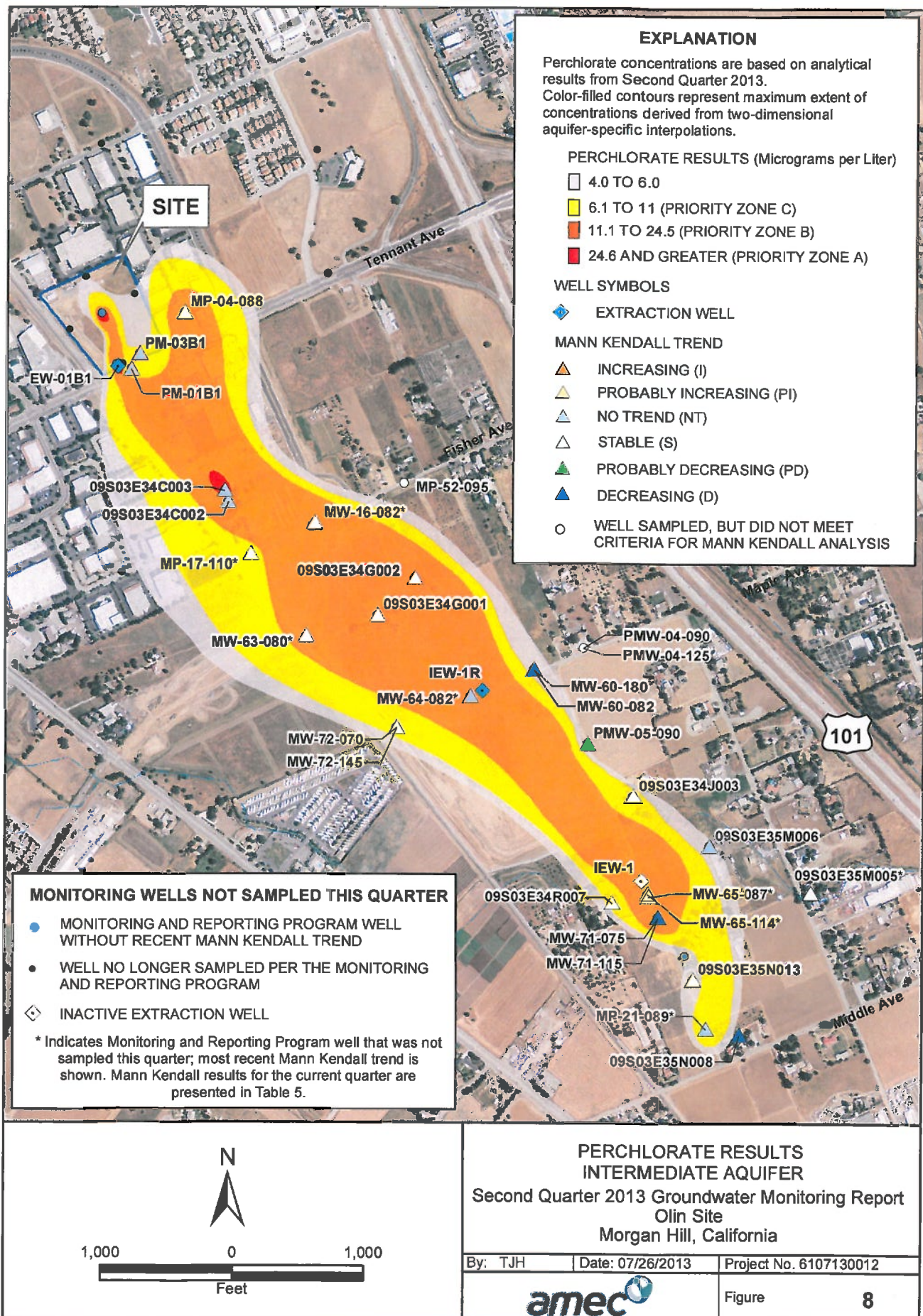


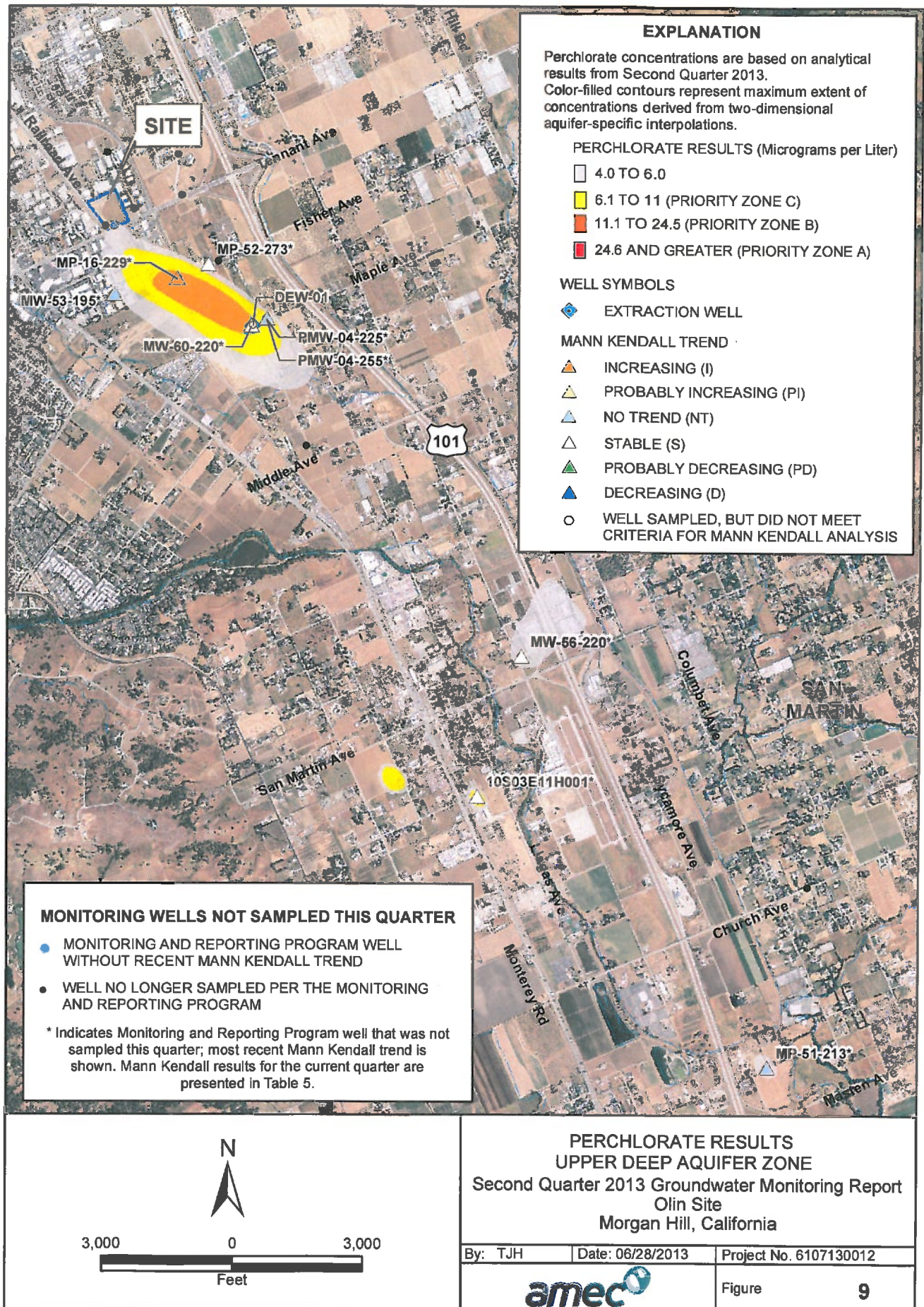


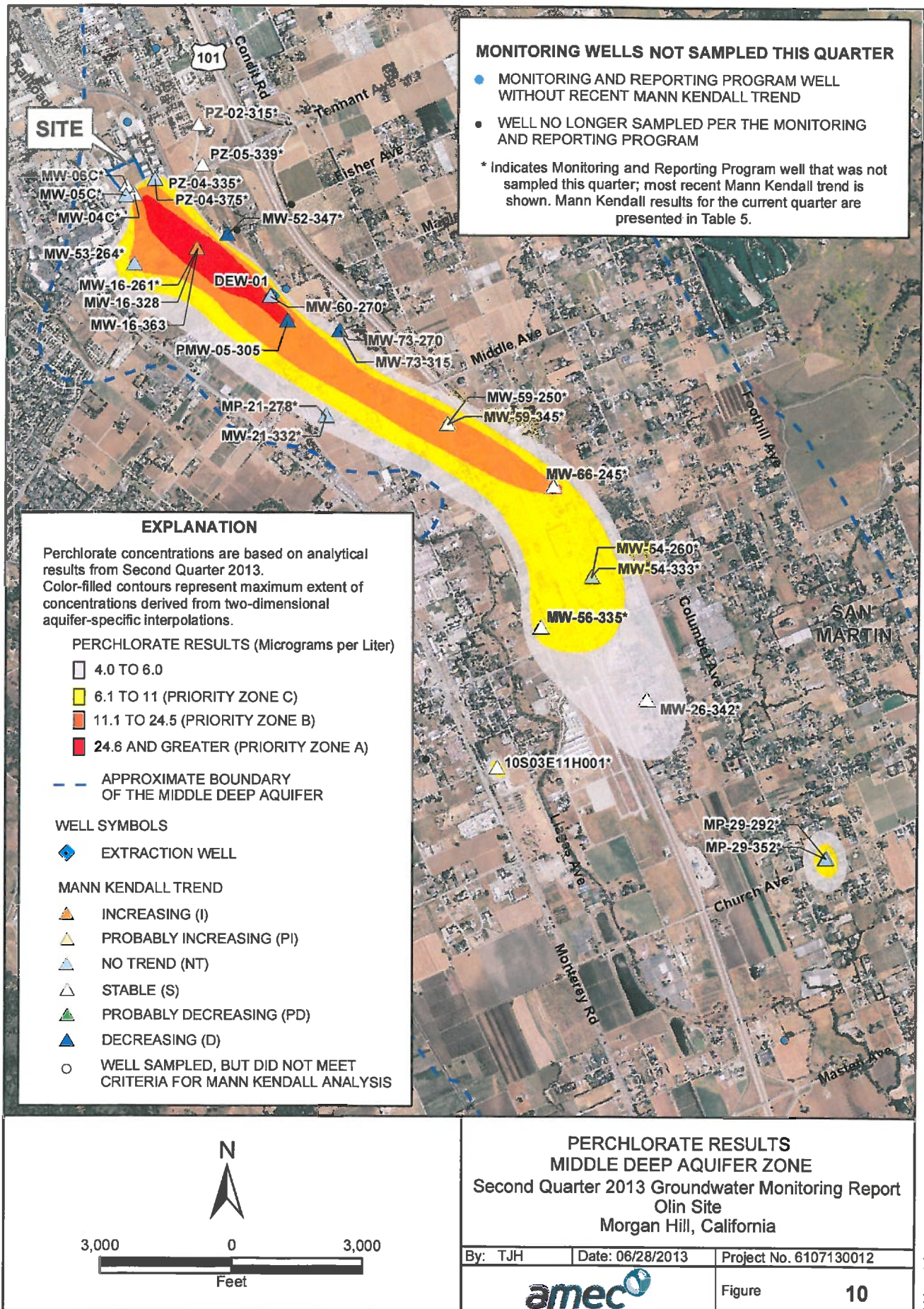


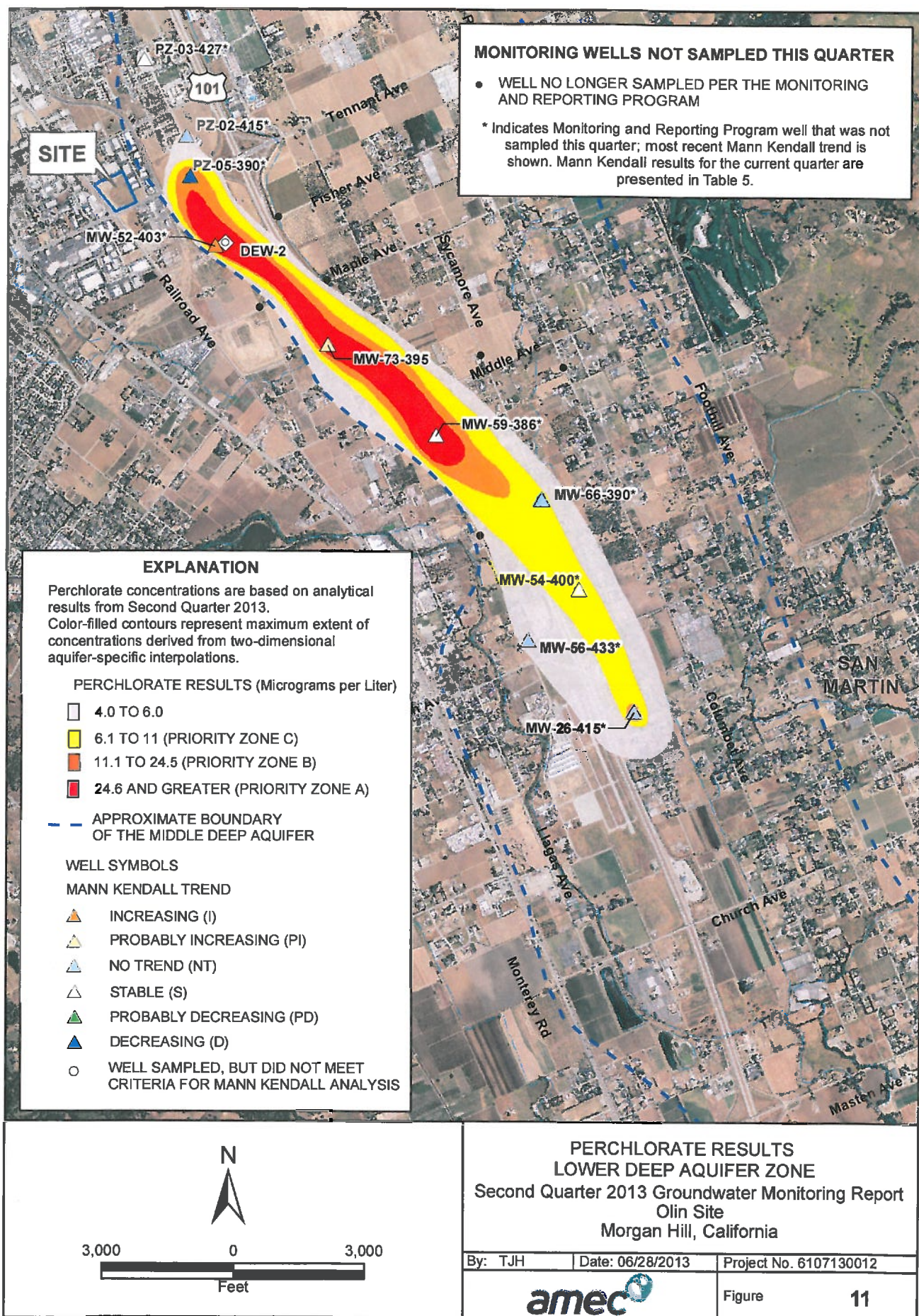














Question

Due to the recent DDOS attacks by using NTP connections, here are some tips on how to prevent the EdgeMarc from doing NTP reflections

(You can read more about it here on the article from

Symantec: <http://www.symantec.com/connect/blogs/hackers-spend-christmas-break-launching-large-scale-ntp-reflection-attacks>)

Answer

1- Enable the firewall on the EdgeMarc.

2- You can do one of two things.

OPTION A) add a rule into the User Command page to drop all port 123, and hit Submit.

If you want to to block all NTP requests, use the following iptables rule.

```
iptables -I INPUT -p udp --dport 123 -j DROP
```

If you want to block all NTP requests except for a host, use the following iptables rules.

```
iptables -I INPUT -p udp --dport 123 -j DROP
```

```
iptables -I INPUT -p udp --dport 123 -s 1.2.3.4 -j INETIN
```

where 1.2.3.4 is the host.

OR

OPTION B) add the following line to the /etc/config/ntp.conf file to cause the NTP not to respond to requests

From the CLI, enter the following

```
# cd /etc/config
```



```
# echo "restrict default ignore" >> ntp.conf  
# cfg_commit  
# killall ntpd
```

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APPENDIX E

- Phase II Documentation: *Field Notes*
- *Interim Guidance for Sampling Agricultural Properties (Third Revision)*, DTSC
- State-Certified Laboratory Analytical Report & Chain-of-Custody Documentation



Client: City of Morgan Hill - 2X342	Date: 10/09/2013
Site Location: Tennant Ave & Fisher	Study #:
Field Tasks: ☐ Drilling ☒ Sampling ☒ Other (see below): Site inspection & shallow soil sampling	Weather Conditions: light overcast
Personnel / Company On-Site: Jacob Aman	

TIME:

11:00	Arrive on-site, circle perimeter of property for site recon photos and note irrigation piping locations/obstacles. Will collect one soil sample near small barn/shed adjoining irrigation pump/well location.
11:20	Begin staking out grid for soil sampling; field contains pepper plants
12:30	Begin shallow soil sampling SAMPLE ID: 1
12:35	↳ 1-b: collected a 3" below tractor tire rut (6" bgs), no odors or indications of contamination
12:40	↳ 1-a: "
12:45	↳ 2-b: "
12:50	↳ 2-a: "
13:15	↳ 3-b: collected at the northern edge of east-west running center dirt road; 6" bgs, no odors, collected duplicate sample
13:25	↳ 3-d: " ; 6" bgs, no odors, some rocks, collected duplicate sample
13:35	↳ 6-b: " , " , " , no duplicate
13:45	↳ 6-d: " →
13:55	↳ 1-d: collected 3" tags below tractor tire rut (6" bgs), no odors
14:00	↳ 1-c: "
14:05	↳ 2-d: "
14:15	↳ 2-c: "
14:30	↳ 8-b: "
14:35	↳ 8-a: "
14:40	↳ 8-b: "
14:45	↳ 7-a: "

INDICATE ATTACHMENTS THAT APPLY

- ☒ Site Map
- ☐ Data Sheets
- ☐ Geologic Logs
- ☒ Photo Sheets
- ☒ COC's
- ☐ Field Tags (sub-contractors)
- ☐ Chargeable Materials

JACOB AMAN 10/9/13
Signature of Field Personnel & Date



Weber, Hayes & Associates

Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076

(831) 722-3580 (831) 662-3100

Text Page 2/2

Client: <u>City of Morgan Hill</u>	Date: <u>10/05/2013</u>
Site Location:	Study #:
Field Tasks: ☐ Drilling ☒ Sampling ☒ Other (see below): <u>site inspection</u>	Weather Conditions: <u>SUNNY (afternoon)</u>
Personnel / Company On-Site: <u>Jacob Aman</u>	

TIME:

14:55	→ 8d: "
15:00	→ 8c: "
15:10	→ 7d: "
15:15	→ 7c: "
15:20	→ 9d: " → rocks present in all comp-9 samples
15:25	→ 9c: "
15:30	→ 9b: "
15:35	→ 9a: "
15:45	→ 3a: collected from 6" bgs in tire rut, darker, more clayey soils, duplicate sample collected
15:50	→ 3c: " , duplicate sample collected
15:55	→ 6a: " , no duplicate
16:00	→ 6c: "
16:05	→ 4b: "
16:10	→ 4d: "
16:20	→ 4a: "
16:25	→ 4c: "
16:35	→ 5d: "
16:40	→ 5c: "
16:50	→ 5a: "
17:00	→ 5b: "
17:10 - 18:45: Packed samples, removed grid stakes, demobilize.	

INDICATE ATTACHMENTS THAT APPLY

- ☐ Site Map
- ☐ Data Sheets
- ☐ Geologic Logs
- ☐ Photo Sheets
- ☐ COC's
- ☐ Field Tags (sub-contractors)
- ☐ Chargeable Materials

Jacob Aman
Signature of Field Personnel & Date

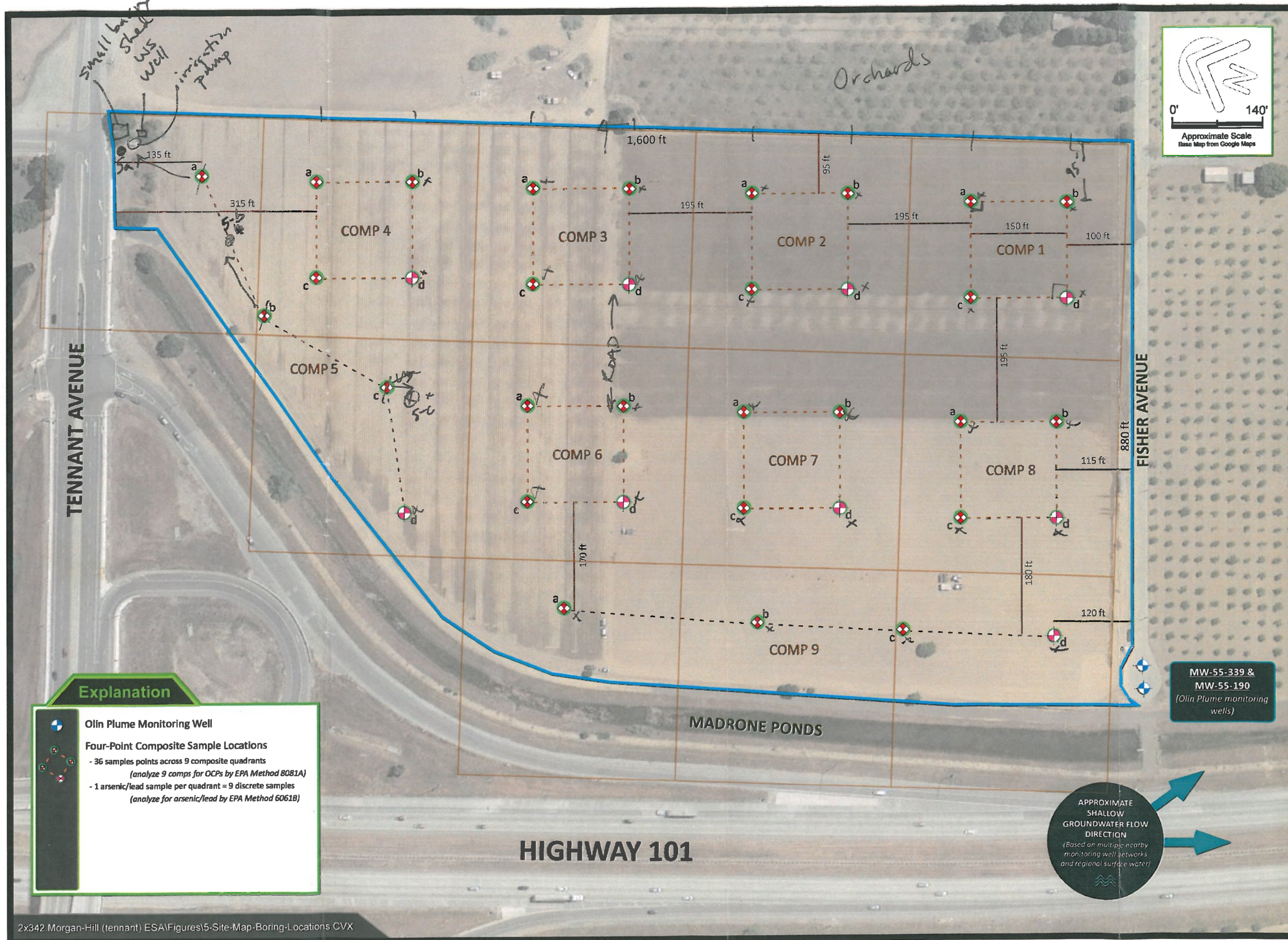


Figure 5
Project 2X342

Shallow Soil Sampling Plan Phase I / II Environmental Site Assessment Tennant Avenue Ag Parcels Morgan Hill, California

WHA

Weber, Hayes & Associates
 Hydrogeology and Environmental Engineering
 120 Westgate Drive, Watsonville, CA
 831.722.3580 / www.weber-hayes.com



Weber, Hayes & Associates
Hydrogeology and Environmental Engineering

120 Westgate Dr., Watsonville, CA 95076
PH: (831) 722-3580 FAX: (831) 722-1159
www.weber-hayes.com

Text Page 1, 1

INDICATE ATTACHMENTS THAT APPLY

- ☐ Site Map
- ☐ Data Sheets
- ☐ Geologic Logs
- ☐ Photo Sheets
- ☐ COC's
- ☐ Chargeable Materials

Client: Tennant Ave Additional Sampling	Date: February 5, 2014
Site Location: Tennant Ave, Morgan Hill	Study #: 2X342
Field Tasks: ☐ Drilling ☒ Sampling ☐ Other (see below):	Weather Conditions:
As-Built Site Inspection Additional Shallow Soil Sampling <i>Clear skies, calm breeze</i>	
Personnel / Company On-Site: Jered Chaney (Weber, Hayes and Associates; WHA)	

TIME:

13:30	Arrive on-site; reviewing barn location for access and conditions → accessed inside of barn. Locked well head, some minor refuse (old bed) including a single oil can.
13:40	Begin barn sampling → BN-1 outside barn @ 1 ft bgs - no signs of contamination → barn has concrete flooring under thin soil layer no internal signs of contamination (colors - sampling outside) → BN-2: next to front of barn @ 1 ft bgs
14:30	Begin sampling field samples for STLC-OCP analysis → SB-3: @ 1 ft bgs; ↓ SB-4
15:15	Demobilize Collect BN-3 from western side of barn
15:30	Demobilize

[Signature] 02/05/14
Signature of Field Personnel & Date



120 Westgate Dr., Watsonville, CA 95076
(831) 722-3580 Fax: (831) 722-1159
www.weber-hayes.com

OF 1

PROJECT NAME AND JOB #: Tennant Ave ESA / 2X342

LABORATORY: BC Labs

SEND CERTIFIED RESULTS TO: **Weber, Hayes & Associates - Attention: Jacob Aman / lab@weber-hayes.com**

TURNAROUND TIME: Standard 5-DAY

ELECTRONIC DELIVERABLE FORMAT: ☐ YES ☒ NO

GLOBAL I.D.: ~

Sampler: *Jacob Aman*

Date: 2/5/2014

RELEASED BY:		Date & Time	RECEIVED BY:		Date & Time	SAMPLE CONDITION:		
						(circle 1)		
1.)	Jared Arnes	02/06/14 @ 11:50 AM		P. R. C.	2/6/14 11:50 AM	Ambient	Refrigerated	Frozen
2.)						Ambient	Refrigerated	Frozen
3.)						Ambient	Refrigerated	Frozen
4.)						Ambient	Refrigerated	Frozen
5.)						Ambient	Refrigerated	Frozen

NOTES:

ADDITIONAL COMMENTS

X Please use MDL (Minimum Detection Limit) for any diluted samples.



Linda S. Adams
Secretary for
Environmental Protection



Department of Toxic Substances Control

Maureen F. Gorsen, Director
8800 Cal Center Drive
Sacramento, California 95826-3200



Arnold Schwarzenegger
Governor

Interim Guidance for Sampling Agricultural Properties (Third Revision)

California Department of Toxic Substances Control
California Environmental Protection Agency

August 7, 2008

Preface

In June 2000, DTSC issued "Interim Guidance for Sampling Agricultural Soils" to provide a uniform approach for evaluating former agricultural properties where pesticides have been applied, and DTSC issued the revised Version 2 in August 2002. Over the last seven years, DTSC has reviewed several hundred former agricultural properties across California. DTSC has been committed to revising and updating the approach to these properties as new information and issues emerge. This revised guidance, Version 3, incorporates and refines the sampling and risk assessment approach to former agricultural properties.

This guidance is intended to supplement the DTSC Preliminary Endangerment Assessment (PEA) Guidance Manual, CalEPA 1994 (Second Printing, June 1999). Data obtained from the investigations should be evaluated for potential health risks according to the PEA Manual. This guidance is not intended to diminish the need to take focused, authoritative samples at site locations commonly associated with hazardous substances releases nor replace guidance provided by the PEA Guidance Manual. This guidance is not applicable to areas where pesticides were mixed, stored, disposed, or areas where pesticides may have accumulated, such as ponds and drainage ditches.

The scope of this document is limited to evaluating only agricultural properties during a PEA or other initial sampling investigation. This applies to proposed new and/or expanded school sites or other project where new land use could result in increased human exposure, especially residential use. Agricultural properties are lands where pesticides were uniformly applied for agricultural purposes consistent with normal application practices, and where other non-agriculturally related activities have been absent. Data obtained from the sampling analyses will be incorporated into the PEA Report, including performing a risk analysis in accordance with the guidance in the PEA Manual.

This guidance does not apply to disturbed land, such as, land that has been graded in preparation for construction, areas where imported soil has been brought in, or any other activity

that would redistribute or impact the soil, other than normal agricultural practices, such as disking and plowing.

This guidance is an on-going effort to streamline the characterization of agricultural properties. As additional knowledge and experience is obtained, DTSC may modify this guidance, as appropriate.

1.0 PURPOSE

This guidance was initially prepared for use in evaluating soil at proposed new school sites and existing schools undergoing expansion projects where the property was currently or previously used for agricultural activities. This guidance is now expanded to include any project with DTSC oversight and is intended to supplement the DTSC PEA, and provide a uniform and streamlined approach for evaluating agricultural properties. This guidance can be used to assist environmental assessors in designing initial investigations or developing PEA Workplans for properties with agricultural uses. The analytical data obtained are to be incorporated into a risk analysis and PEA Report performed in accordance with the guidance in the PEA Manual.

2.0 AGRICULTURAL PROPERTIES

2.1 Eligible Agricultural Properties

This guidance is specific to agricultural properties where pesticides and/or fertilizers were presumably applied uniformly, for agricultural purposes consistent with normal application practices. It is applicable to agricultural properties that are currently under cultivation with row, fiber or food crops, orchards, or pasture. It is also applicable to fallow and former agricultural properties that are no longer in production and have not been disturbed beyond normal disking and plowing practices. Each field of the same crop is assumed to have been watered, fertilized and treated with agricultural chemicals to the same degree across the field. Because of this homogeneous application, contaminant levels are expected to be similar at any given location within the field. This is the underlying premise of the guidance, and one that must be verified at the scoping stage of the PEA process.

2.2 Properties not covered by this Guidance

This guidance does not apply to former agricultural property that has been graded for construction or other purposes, that has received fill, or has had parking lots or structures placed on it following active use as an agricultural field. An urban residential area that was agricultural property in the past does not qualify for this guidance since the construction of the residences would have resulted in the disturbance and redistribution of potential agricultural contaminants in the soil. These areas may require biased, discrete sampling as opposed to the sampling for agricultural properties discussed in this document.

2.3 Grazing Land and Dry-Land Farmed Agricultural Properties

2.3.1 Grazing Land and Pasture

Agricultural sampling is not required for property used exclusively as grazing lands or pasture, where the topography is not conducive to pesticide application, or the application of pesticides is not economically feasible. Aerial photographs, topographic maps, and a site visit should be used to evaluate the topography of the proposed school site and past land use. Sites that are suitable for animal grazing will often have irregular topography and often a cover of native trees,

brush and range grasses. In keeping with the definition of agricultural soils, the site must not have contained any structures, or been used for any commercial or manufacturing activities.

2.3.2 Dry-Land Farmed Agricultural Soils

Dry-land farming is the practice of growing a crop without irrigation. Many dry-land farming fields are not treated with pesticides or infrequently treated, since the lack of water does not provide a desirable habitat for most agricultural pests. Properties that clearly qualify as dry-land farming do not need further investigation for pesticides or metals. For properties where there is uncertainty regarding dry-land farming, limited sampling may be conducted at a rate of four discrete samples per site, with one sample collected in each quadrant.

Some production crops such as winter wheat and barley can be grown under dry-land farming conditions. If the site has been planted in a dry-land farming production crop, every assurance should be made to determine that the crop was not irrigated and pesticides were not applied. This information may be obtained from interviews with farmers in the area, records that the County Agricultural Commissioner may have, and information the Commissioner may have about the irrigation practices for that crop in the specific county. If it cannot be clearly shown that irrigation did not take place and pesticides were not applied, limited sampling for organochlorine pesticides (OCPs) and arsenic may be necessary. At a minimum, this should include four samples per site, one sample per quadrant.

2.4 Agricultural Properties Prior to 1950

A review of 35 proposed school sites along with the historical background of OCP use in California indicates that sites with agricultural usage ending prior to 1950 do not need to be evaluated for OCPs. Organochlorine pesticides were first introduced into California agriculture in 1944 and reached peak usage in the 1960's. In 1974 the use of the DDT was banned for agricultural purposes, and the elimination of remaining OCPs in California agriculture quickly followed. Data from 35 proposed school sites where agricultural use ended prior to 1950 indicates that OCPs were not identified as chemicals of potential concern. In those cases where OCPs were identified, the source appears to have been the application to structures on the property, and not the agricultural crops grown prior to 1950. It is recommended that former agricultural properties that terminated operation prior to 1950 not be evaluated for agriculturally related OCPs. Arsenic should still be evaluated as a chemical of potential concern (COPC) since its use as arsenical pesticides and herbicides predates 1950.

2.5 Continued Agricultural Use After PEA Sampling

Chemicals associated with agricultural activities may result in potential risks to human health or the environment. If agricultural activities continue on the subject site after DTSC issues a no further action determination on the PEA, DTSC cannot ensure the no further action determination will remain in effect.

This may have impacts for school projects where the school districts elect to postpone school construction and allow continued agricultural use of the property. The most recent chemical use documentation (e.g., local Agricultural Commissioner Pesticide Application Permits) regarding the quantity and types of agricultural chemicals used on the property should be provided in the PEA report. If the type of agricultural chemicals applied to the site change after DTSC's no further action determination, DTSC recommends submittal of the chemical use documentation to DTSC at least three months prior to commencement of grading or other construction activities at the school site. DTSC will review the information, and if necessary, may recommend additional sample collection and analyses to assess potential impacts and ensure school site safety.

2.6 Other Areas of Concern on Agricultural Properties

In many cases, agricultural properties may include other areas of concern such as operations yards, storage areas, fuel tanks, residences, irrigation systems, and animal facilities. Examples of areas of concern may include:

- Structures such as homes, garages, equipment sheds, barns, and other out-buildings
- Pesticide storage, mixing/loading, and wash-down areas
- Ecological habitats, or rare, threatened, or endangered species
- Irrigation ditches/canals, containment berms, and low-lying swales or drainage areas
- Irrigation water containment ponds and collection/recirculation sumps
- Production wells and pumps
- Pole- or pad-mounted transformers
- Waste oil areas
- Animal pens, barns, and manure and disposal piles
- Burn piles
- Underground and above ground storage tanks
- Properties in dibromochloropropane (DBCP) study areas

Although agricultural-related, these targeted areas should be considered during the PEA scoping meeting and investigated using standard PEA protocols. The following DTSC guidance documents may be considered in these investigations:

- Interim Guidance: Evaluating Total Petroleum Hydrocarbons (TPH) (DTSC 2008) (The draft TPH guidance document is being revised at this time and will not be available to the public until DTSC finalizes the document.)
- Interim Guidance: Evaluation of School Sites with Potential Contamination from Lead Based Paint, Termiticides, and Electrical Transformers (DTSC, June 9, 2006)
- Arsenic Strategies for Determination of Arsenic Remediation: Development of Arsenic Cleanup Goals for Proposed and Existing School Sites (DTSC 2007)
- Advisory: Methane Assessment and Common Remedies at School Sites (DTSC, June 2005)
- Advisory: Active Soil Gas Investigations (DTSC, January 2003)
- Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion into Indoor Air (DTSC 2004)
- Fact Sheet: Information Advisory, Clean Imported Fill Material (DTSC, October 2001)
- Guidance Manual: Preliminary Endangerment Assessment (DTSC, January 1999)
- Data Validation Memorandum , Summary of Level II Data Validation (DTSC, May 2006)
- Guidance: Ecological Risk Assessment at Hazardous Waste Sites and Permitted Facilities (DTSC, July 4, 1996)

3.0 SAMPLING STRATEGIES

3.1 Chemicals of Concern

3.1.1 Pesticides

When the property is under active agricultural production, the operator should be interviewed to determine the types and amounts of pesticides historically used on the property. The County Agricultural Commissioner should also be consulted to verify pesticide usage on the property. The Agricultural Commissioner is required to maintain this information for three years, but often will have extensive knowledge of the farming practices over many years. A local or specialized farm advisor such as the University of California Cooperative Extension Agent is another source of information for farming practices in the area. These consultations should occur during the scoping phase of the investigation. For those properties that have not been actively farmed in the past three years, obtaining accurate information is more difficult. Information from surrounding or neighboring agricultural operations on the types of crops grown in the area during the time of active farming can provide clues on what chemicals may have been applied.

Based on data from former agricultural properties over the past seven years, the only pesticide class requiring analyses at agricultural properties are OCPs, such as DDT, toxaphene, dieldrin, etc. OCPs are biopersistent and bioaccumulate in the environment. Most other classes of pesticides have relatively short half-lives and have not been found in the agricultural fields. While paraquat does have a longer half-life in soil, it has either not been detected or detected rarely at trace levels at sites which DTSC has had oversight, therefore routine analyses for paraquat is not required for field areas. Analyses for paraquat may be required in storage and mixing/loading areas.

3.1.2 Metals

Based on data from former agricultural properties, the only heavy metal required for routine analyses for these properties is arsenic. Arsenic in the form of arsenical herbicides has been applied to many agricultural properties and elevated levels of arsenic have been reported in the evaluation of these properties.

Other heavy metals may be required on a case by case basis depending on history of the property and the surrounding environment. Certain counties, such as Kern and Merced in the Central Valley, allow the application of municipal sludge on agricultural properties with or without a permit. Municipal sludge has been often shown to have elevated levels of heavy metals. These metals concentrations can impact vadose soils and often may migrate to groundwater. If there is a history of sludge application, or if sludge application is suspected on an agricultural property, Title 22 metals (former CAM 17 metals) should be evaluated.

Copper compounds were generally applied directly to select crops (e.g. vineyards) to prevent or reduce mildew. Vineyards and grain storage areas may have elevated copper due to the use of copper compounds as fungicides. To date, DTSC has not found elevated copper in any agricultural property. However, analyzing soil or sediment samples for copper may be appropriate at agricultural properties with the potential to impact aquatic ecological habitats (e.g. a creek or stream which runs through site).

3.1.3 Additional Chemicals of Concern

3.1.3.1 Mixing/Loading/Storage Areas

Focused sampling in mixing/loading/storage areas, drainage ditches, farm houses, or outbuilding areas may require analyses for a number of other constituents besides OCPs and arsenic, including other classes of pesticides/herbicides, paraquat, metals, and petroleum related compounds (see Section 2.6).

3.1.3.2 Smudge Pots

If smudge pots have been routinely used on agricultural properties, for example in citrus groves, additional sampling for PAHs and TPH may be required.

3.2 Sampling Frequency

Sampling frequency may vary depending on the size of the site and conditions found. When the site has been used for agricultural crop, the presumption is that agricultural chemicals were applied uniformly across the site in any given year and that the variation across the site will be relatively small. An analysis of several hundred former agricultural properties by DTSC has supported the general use of the assumption of uniform application.

The assumption of uniform application may not apply to areas cultivated in different crops, adjoining or adjacent properties with different owners or operators. The uniform application assumption does not apply for non-cultivated areas (e.g. drainage ditches, farm houses and other structures, mixing/loading areas, storage sheds, etc.)

In general, the sampling pattern should be sufficient to characterize the site. Recommended numbers of borings or sampling locations and composite analyses are provided in Table 1 for both OCPs and arsenic analyses for sites up to 50 acres. DTSC should be consulted for sites greater than 50 acres. For these sites, the sampling frequency may be reduced based on documentation that verifies consistent owner, operator, and use. If different parcels of the property have different owners, operators or crops, the number of samples shown in Table 1 should be applied for each different parcel.

Table 1: Recommended Number of Sampling Locations

Site Acres	Number of Borings	OCP Analyses (Composites)	Arsenic Analyses (Discrete only)
1	4	4 (Discrete analyses)	4
2	4	4 (Discrete analyses)	4
3	4	4 (Discrete analyses)	4
4	8	4	4
5	10	4	4
6	12	4	4
7	14	4	4
8	16	4	4
9	18	5	5
10	20	5	5
11	21	6	6
12	22	6	6
13	23	6	6
14	24	6	6
15	25	7	7
16	26	7	7
17	27	7	7
18	28	7	7
19	29	8	8
20	30	8	8
21	31	8	8
22	32	8	8
23	33	9	9
24	34	9	9
25	35	9	9
26	36	9	9
27	37	10	10

Site Acres	Number of Borings	OCP Analyses (Composites)	Arsenic Analyses (Discrete only)
28	38	10	10
29	39	10	10
30	40	10	10
31	41	11	11
32	42	11	11
33	43	11	11
34	44	11	11
35	45	12	12
36	46	12	12
37	47	12	12
38	48	12	12
39	49	13	13
40	50	13	13
41	51	13	13
42	52	13	13
43	53	14	14
44	54	14	14
45	55	14	14
46	56	14	14
47	57	15	15
48	58	15	15
49	59	15	15
50	60	15	15
>50	Consult with DTSC		

3.3 Composite Samples

Since this guidance assumes a relatively even distribution of chemicals across the agricultural field portion of a site, compositing of discrete samples allows for increased sampling coverage for a site, while not significantly increasing the number of analytical samples. Composite surface samples may be made up of a maximum of four discrete surface samples from adjacent sampling locations. Compositing may occur in the field or at the laboratory. In cases where two crops were grown on the site, only discrete samples from within the same crop area may be composited.

Specify the method of selecting the discrete samples to be composited and the compositing factor (e.g. 3 to 1: three discrete samples composited to one) in the workplan. Compositing requires that each discrete sample be the same in terms of volume or weight, and that the discrete sample be thoroughly homogenized prior to compositing. The detection level does not need to be reduced since the composite sampling area is assumed to be homogeneous in concentration.

If compositing is not chosen, analyses will be performed on all the discrete samples and the number of analyses will correspond to the number of borings.

For more information on composite samples, see the references provided in Section 6.0.

3.4 Discrete Sampling for Arsenic

A minimum of four discrete on-site surface samples must be analyzed for arsenic. When samples are composited for OCP analysis, one discrete sample from each composite must be analyzed for arsenic. When more than four composite samples are analyzed for OCPs, the total number of discrete samples analyzed for arsenic does not need to be greater than the number of total composite samples used for OCP analysis (see Table 1).

3.5 Sampling Depth

Based on the extensive data DTSC has reviewed for agricultural properties, only surface samples will be required for the screening assessment. Each location should be sampled to include one surface sample (0 to 6 inches). [Note: 0 inches means first encountered soil. Thick mats of vegetable material, roots, and other extraneous material should not be sampled. The locations can be staked and surveyed using a sub-meter global positioning system. This will facilitate collection of supplemental site investigation samples, such as subsurface or step out sampling, if necessary.

3.6 Sample Collection

Sampling both the furrows and beds of existing rows will detect the greatest variability in the residuals. Some methods of pesticide application will favor residuals in the beds while others favor the furrows. In fields where rows remain, roughly half of the samples should be gathered from the furrows and half from the beds in an alternating pattern. Orchards should have the sampling locations placed at the current drip line for the trees, under the canopy, between the tree rows, and between the trees within a row. For sites with slopes, swales, or other uneven topography, sampling from centers should be modified to include samples from those areas where surface water would be expected to flow and accumulate.

3.7 Field Duplicates

Field duplicates should be collected at a rate of 10 percent (or a minimum of one). For arsenic, a discrete co-located sample should be collected and analyzed for every 10 arsenic samples collected. For OCPs where composite samples will be prepared and analyzed, every 10th

composite sample should be prepared (independently) in duplicate and analyzed. See Section 4.1 for a description on preparation of composite samples.

3.8 Requirements for Collection of Background Metal Samples

Consult with the DTSC project manager regarding the need for collecting background arsenic samples. In general, with the exception of arsenic, background samples for metals will not be necessary if all metals are below their respective California Human Health Screening Levels (CHHSLs). If all the arsenic results for the site are at or below 12 mg/kg, then collection of background samples will not be required. For sites where either arsenic or other metals are above their respective screening values, either collection of a background data set or use of an appropriate background data set may be required.

3.8.1 Sampling for Background Metals

If samples are needed to determine background levels of arsenic and/or other heavy metals (if additional metals are required for the PEA), a minimum of four onsite locations should be sampled at non-impacted areas, or samples may be collected at a depth of 5 to 5.5 feet bgs. In order to use background samples from 5 to 5.5 feet bgs, a licensed professional must make the determination that the background soils are similar enough geologically to the surface soils as to be representative.

Other background data sets may be substituted for on site sampling on a case by case basis in consultation with DTSC.

4.0 LABORATORY ANALYSES

4.1 Preparation of Composite Samples

Each discrete sample should be homogenized and uniformly split by trained field staff prior to compositing. A portion of each discrete sample should be frozen and archived in case additional analysis is warranted based on the composite results. Compositing requires that each discrete sample be the same in terms of volume or weight, and that the discrete sample be thoroughly homogenized prior to compositing. Excess sample from the homogenized composite sample shall be archived by the lab and/or used as a duplicate, as appropriate, for that composite set. The samples may be discarded when the PEA process has been completed and approved by the DTSC.

4.2 Methods

The analytes of primary concern are OCPs, arsenic, and, in some cases, Title 22 metals. Depending on the site history, analysis of other types of pesticides may be required. OCPs should be analyzed using U.S. EPA 8081A or equivalent. Metals must be analyzed using the U.S. EPA 6000/7000 series. If the site history indicates other classes of persistent pesticides should be evaluated, DTSC should be consulted for the acceptable method of analysis and appropriate detection limits. Highly organic topsoil may interfere with proper extraction of pesticides.

Sample holding times should be consistent with U.S. EPA SW-846. Variances to holding times and affects on data results must be discussed in the data validation section of the report.

Please note, for comparison of chlordane concentrations against the CHHSL, chlordane must be quantified against a **technical chlordane** standard. For purposes of the PEA, DTSC will not

allow quantitation of the individual alpha and gamma isomers, with a total concentration determined by addition of those concentrations.

4.3. Detection Limits

The actual detection limits obtained will vary depending on the particular analyte. For OCPs, the analytes typically causing detection limit concerns in agricultural fields are aldrin, dieldrin, and toxaphene. The detection limits should be 0.005 mg/kg for aldrin, dieldrin, and 0.05 mg/kg for toxaphene. Table 2 lists the detection limits for several OCPs.

In samples with elevated DDT, the detected concentration may be above the range of calibration. This can result in the analytical laboratory diluting the sample for reanalysis, and then reporting only the final result. In these cases, the reported detection limits for aldrin, dieldrin, and toxaphene may exceed the detection limits needed for determining potential health effects. Ideally the laboratory should be asked to report if those three analytes were detected in the first analysis prior to dilution. Multiple analyses of the same samples may be required to obtain the data necessary for risk assessment purposes.

Table 2. Analytical Methods and Detection Limits for Selected OCPs

Pesticide	Methods²	CAS No.³	DL⁴ mg/kg
Aldrin	8081A	309-00-2	0.005
a-BHC	8081A	319-84-6	0.005
b-BHC	8081A	319-85-7	0.005
g-BHC (Lindane)	8081A	58-89-9	0.005
d-BHC	8081A	319-86-8	0.005
Total Chlordane ¹	8081A	57-74-9	0.05
DBCP ⁵	8081A	96-12-8	0.01
DDD	8081A	72-54-8	0.05
DDE	8081A	72-55-9	0.05
DDT	8081A	50-29-3	0.05
Dieldrin	8081A	60-57-1	0.005
Endosulfan I	8081A	959-98-8	0.005
Endosulfan II	8081A	33213-65-9	0.005
Endosulfan sulfate	8081A	1031-07-8	0.005
Endrin	8081A	72-20-8	0.05
Endrin aldehyde	8081A	7421-93-4	0.05
Endrin ketone	8081A	53494-70-5	0.05
Heptachlor	8081A	76-44-8	0.05
Heptachlor epoxide	8081A	1024-57-3	0.005
Hexachlorobenzene (HCB)	8081A	118-74-1	0.3
Hexachlorocyclopentadiene	8081A	77-47-4	0.5
Methoxychlor	8081A	72-43-5	0.005
Toxaphene	8081A	8001-35-2	0.05
Notes: 1 = Report total Chlordane (based on a Technical Chlordane standard) 2 = Although other methods may be used to quantify OPCs, DTSC recommends the use of 8081A as the primary method of quantitation 3 = Chemical Abstract Service registry number 4 = Detection Limit recommended for risk assessment purposes 5 = If sampling for this compound is indicated, inclusion in the method must be requested in the workplan and/or QAPP			

4.4 Pesticide Analyses

Surface samples, discrete or composite, must be analyzed for OCPs. Analysis for other classes of persistent pesticides may be required as indicated by the agricultural history of the site. If the composite sample result exceeds the health risk screening criteria (see Section 5.3), analyze each discrete sample that made up the composite sample.

4.5 Sub-surface sample analysis

In consultation with DTSC, analyses of sub-surface samples may be required if surface samples results exceed specified screening levels. This sampling may be a part of the PEA or included in a Supplemental Site Investigation. If subsurface samples were collected during the PEA sampling event, those samples may be taken off “hold” and analyzed by the laboratory. If subsurface samples were not collected during the PEA, a Supplemental Site Investigation Workplan or Technical Memorandum should be prepared identifying appropriate step-out (vertical and horizontal) sampling locations.

4.6 Quality Control

Quality control (QC) procedures specified in SW-846 must be followed. A matrix spike/matrix spike duplicate on one soil sample per batch of 20 samples must be performed to demonstrate that the targeted pesticide(s) can be recovered from the soil investigated. The laboratory data package must include a summary of the quality control sample results: blanks, matrix spike/matrix spike duplicate, surrogate recoveries, laboratory control samples, etc., as specified by the method. The laboratory should provide a signed narrative stating whether the QC was met and listing any discrepancies. The consultant should perform a supplementary evaluation of the data, also referred to as data validation, and present the results of that evaluation in the PEA report. For an example of what to include in the data validation section, see the example data validation memorandum at the DTSC website:

http://www.dtsc.ca.gov/Schools/upload/Data_Validation.pdf

5.0 REPORTING

5.1 Format

The results of the sampling effort are to be reported in a PEA report as described in the DTSC PEA Guidance Manual.

5.1.1 Summary Tables

Include data tables in the PEA report to summarize the results of the investigation. Summary tables should include the analytes of interest, the reported concentrations or the reporting limit for non-detect results, and indicate whether a reported concentration exceeds its respective CHHSL screening level (if a CHHSL comparison is being conducted). In addition, for samples analyzed at multiple dilutions for purposes of reporting concentrations within calibration ranges (as described in Section 4.3), summary tables should either present the results for all of the dilution analyses indicating the appropriate result for each analyte, or a combined analysis indicating which results are being reported after a dilution. Sample results should also be flagged with appropriate qualifiers, where necessary, after data validation.

5.2 Evaluating Metals (Inorganic Elements) Data

Using a robust statistical procedure to determine if on-site metal concentrations are indicative of background conditions or the result of site-related activities can be problematic because of the limited number of background samples collected at any one site. Local site background may be used if the data is approved for use by the DTSC project manager and toxicologist. If DTSC

background levels are not available, then a defensible procedure for comparing on-site with background metals should be used. The DTSC project manager and DTSC toxicologist assigned to the project should be consulted on the most appropriate method of comparison.

5.2.1 Arsenic Evaluations

The DTSC Schools Program evaluated data from a large number of school sites across California. The data evaluation indicates that 12 mg/kg maybe a useful screening number for the Schools Program when evaluating arsenic as a COPC. If the proposed school property has been adequately characterized for arsenic and all the arsenic data are equal to or less than 12 mg/kg, then arsenic will be not be considered a COPC. This decision does not require collection and comparison to a background data set. If arsenic concentrations are greater than 12 mg/kg, then comparisons to background data will be required. In some cases additional sampling may also be required.

5.2.2 Strategy for Comparison of Background Metals

If background samples are necessary, follow the procedures provided in Section 3.8. The following strategy may be used for comparing site data to background data:

1. Compare the highest site concentration with the highest background concentration. If the site concentration is equal to or less than the background, the metal may be eliminated as a COPC. If the onsite maximum is greater than the background maximum, go to 2).
2. Compare the site and background arithmetic mean concentrations. If the means are comparable, and if the highest site concentration is below the concentration associated with unacceptable risk or hazard, the metal may be eliminated as a COPC. If the site mean is greater than the maximum background, go to 3).
3. Two approaches may be used, depending on the size of the background data set.
 - o If the background data set is of sufficient size, statistically evaluate the overlap of the background and onsite distributions to determine if they come from the same population. If they do, and if the highest site concentration is below the concentration associated with unacceptable risk or hazard, the metal may be eliminated as a COPC. If not, include the metal as a COPC in the risk evaluation.
 - o If the background data set is limited (n=4), the onsite data can be evaluated statistically using probability plots to determine if one or more populations are present. If only one population is present, and if the highest site concentration is below the concentration associated with unacceptable risk or hazard, the metal may be eliminated as a COPC. If there are two or more populations present, then include the metal as a COPC.
4. Additional information on eliminating metals as COPCs can be found in *“Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities – Final Policy* (DTSC/HERD 1997),

5.3 Human Health Risk Assessment

All detected pesticides and any onsite metals above background should be evaluated as COPCs in a human health risk assessment as described in the DTSC PEA Guidance Manual or in comparison to CHHSLs. In the initial screening analysis, the highest

concentration of each detected pesticide and metal above background must be used as the exposure point concentration in the risk assessment.

Since agricultural properties are assumed to have uniform application of pesticides, DTSC has allowed compositing of samples for OCP analyses (Sections 3.3 and 4.1). The concentration from the composited sample can be used directly in the risk assessment without adjusting the toxicity screening numbers, such as the CHHSLs. The review of the former agricultural properties over the past seven years has supported the assumption of uniform application. This is in contrast to other DTSC guidance, such as the *Lead-Based Paint, Termiticide and PCB Guidance*, (DTSC, June, 2006), where adjustments to the CHHSLs are required for composite samples because applications were not necessarily uniform.

5.3.1 Application of PEA Risk Assessment Equations and CHHSLs

Chemicals of potential concern are evaluated either by comparison to the CHHSL, or by calculating the excess cancer risk and hazard index based on equations in the PEA Guidance.

Note: CHHSLs may not be used to “screen out” COPCs.

5.3.1.1 CHHSLs

CHHSLs are soil and/or soil gas concentrations for selected chemicals developed by Cal-EPA with a target threshold of a 1E-06 risk for carcinogens, and a hazard quotient of one for non-carcinogens. CHHSLs were developed using models and exposure assumptions similar to those used in the PEA Guidance Manual, with the exception of the concentrations for volatile organic compounds (VOCs), which were developed using the vapor intrusion model for addressing the inhalation of contaminated indoor air. CHHSLs may be used as a soil screening value at school sites if all of the chemicals detected at the site have a listed CHHSL, if it is agreed upon by all parties concerned, and if it is agreed that the screening document will be reviewed by a toxicologist from the Human and Ecological Risk Division. For school sites, only the residential-based CHHSLs may be used. The exposure pathways used in calculating the CHHSLs are incidental soil ingestion, dermal absorption, and inhalation of dusts in indoor air for non-volatile soil-bound chemicals, and the inhalation of indoor air pathway for VOCs. Direct exposures to VOCs are not included in the calculation of the CHHSLs and CHHSLs do not take into consideration the leaching of contaminants from soil to groundwater. CHHSLs are not appropriate if ecological receptors are the most sensitive species on the site. Lead should be evaluated using the most current DTSC LeadSpread Model or the school site lead screening level of 255 mg/kg.

5.3.1.2 Human Health Risk Assessment with CHHSLs

Independent of whether sites were analyzed with discrete samples or with composite samples, the evaluation is similar. Note that the CHHSL values are not adjusted for the number of discrete samples that comprise a composite. The rationale behind this comparison to un-adjusted CHHSL is that application of pesticides is assumed to be uniform throughout the field, and large variations in the pesticide concentrations are not expected. This rationale applies only to the agricultural portion, not to mixing areas, storage sites, structures, etc.

5.3.2 Procedure for Human Health Risk Assessment with CHHSL or PEA Guidance

- Determine that all of the chemicals detected at the site have the appropriate CHHSLs for soil and/or soil vapor. If they do not, then a PEA risk assessment must be conducted. A DTSC toxicologist will evaluate if the CHHSL screening is appropriate for the site

- The screening document, PEA or equivalent, will be reviewed by a toxicologist from the Human and Ecological Risk Division.
- The most recently published CHHSLs should be used. This may be found at: <http://www.calepa.ca.gov/Brownfields/documents/2005/CHHSLsGuide.pdf>.
- The exposure pathways at the site must match the exposure pathways used to develop the CHHSLs.
Use the maximum concentration of each contaminant detected at the site and compare to unrestricted (residential) CHHSL or PEA risk calculations.
- Background metal concentrations can be used to screen metals as COPC. Construct a table listing the COPC (see Section 5.2.2 for discussion on background metals).
- The risk and hazard for each COPC should be calculated using the following equations:

$$\text{RISK} = \frac{[\text{maximum detected concentration}]}{\text{CHHSL}} \times 10^{-6}$$

$$\text{HQ} = \frac{[\text{maximum detected concentration}]}{\text{CHHSL}}$$

- If there are multiple COPCs, calculate the cumulative risk and/or hazard. An Excel calculator is provided on the Cal/EPA website for CHHSLs: (<http://www.calepa.ca.gov/Brownfields/documents/2005/Calculator.xls>).
- Complete a Risk Characterization Section where the total risk and hazard are presented and discussed along with the need for any further action.
- If the maximum concentrations detected on site pose an unacceptable risk or hazard, a spatial analysis should be conducted to determine if the elevated levels represent a “hot spot”, or are representative of concentrations across the site. In those cases where the elevated concentrations are determined to be one or more “hot spots”, risk or concentration isopleths should be constructed to differentiate between those areas of the site in need of further action, and those where no further action is required. Any deviations from these analyses must be approved by the DTSC toxicologist assigned to the project.

Note: For evaluation of composite samples, the CHHSL values are not adjusted for the number of discrete samples that comprise a composite. The rationale behind this comparison to un-adjusted CHHSL is that application of pesticides is assumed to be uniform throughout the field, and large variations in the pesticide concentrations are not expected. Note that this rationale applies only to the agricultural portion, not to mixing areas, storage sites, structures, etc.

6.0 ADDITIONAL SOURCES OF INFORMATION

Pesticide Physical Properties and Half-Lives

<http://ace.orst.edu/info/extoxnet/pips/ghindex.html>
<http://www.arsusda.gov/rsml/ppdb1.html>

Active Pesticide Ingredient by Brand Name

<http://www.cdpr.ca.gov/docs/label/prodnam.htm>
<http://www.cdpr.ca.gov/> - see databases
Farm Chemicals Handbook, current edition, Meister Publishing Company,

Willoughby, Ohio.

Maximum Application Rates

<http://ace.orst.edu/info/extoxnet/>
Agricultural Chemicals – Thomas Publications, Fresno, CA

Pesticide Usage by Year, County, and Crop

<http://www.ipm.ucdavis.edu/PUSE/puse1.html>
<http://www.cdpr.ca.gov/> - see databases

Composite Sampling

http://www.clu-in.org/download/char/SF_Rep_Samp_Guid_soil.pdf
U.S.EPA. 1995a. *Superfund Program Representative Sampling Guidance, Volume 1: Soil, Interim Final*, OSWER Directive 9360.4-10, EPA 540/R-95/141, PB96-963207. Environmental Response Team, Office of Emergency and Remedial Response, Office of Solid Waste and Emergency Response. December 1995, Page 28.

<http://clu-in.org/download/stats/composite.pdf>
U.S.EPA. 1995b. *EPA Observational Economy Series, Volume 1: Composite Sampling*, EPA-230-R-95-005. Policy, Planning, and Evaluation (2163). August 1995.

Test Methods

<http://www.epa.gov/epaoswer/hazwaste/test/>
SW-846: U.S. EPA, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, Third Edition, Current Revision*

Pesticide Toxicology Information

<http://ace.orst.edu/info/extoxnet/ghindex.html>
<http://www.state.nj.us/health/eoh/rtkweb/rtkhsfs.htm>

CHHSLs

<http://www.calepa.ca.gov/Brownfields/documents/2005/CHHSLsGuide.pdf>
<http://www.calepa.ca.gov/Brownfields/documents/2005/Calculator.xls>

Acronym List

bgs	Below Ground Surface
CalEPA	California Environmental Protection Agency
CHHSL	California Human Health Screening Levels
COPC(s)	Chemicals of Potential Concern
DBCP	Dibromochloropropane
DTSC	Department of Toxic Substances Control
NFA	No Further Action
OCP(s)	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbon
PEA	Preliminary Endangerment Assessment
QC	Quality Control
TPH	Total Petroleum Hydrocarbon
U.S. EPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds



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Pat Hoban
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Report Summary

Thursday October 24, 2013

Report Number: L662820

Samples Received: 10/11/13

Client Project: 2X342

Description: Ag-Land Transition Clearance

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197,
FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016,
NC - ENV375/DW21704/B10041, ND - R-140, NJ - TN002, NJ NELAP - TN002,
SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612,
MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1,
TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

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REPORT OF ANALYSIS

Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 1 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-01

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.2	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.0018	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
4,4-DDT	U	0.0020	0.022	mg/kg		8081A	10/17/13	1
Dieldrin	0.0045	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	66.8			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	83.6			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

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REPORT OF ANALYSIS

Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance

Sample ID : 1 D

Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-02

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.3	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.5	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	13.	0.095	0.27	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 2 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-03

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.2	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.0019	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
4,4-DDT	U	0.0020	0.022	mg/kg		8081A	10/17/13	1
Dieldrin	0.0036	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	68.8			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	83.0			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

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Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 2 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-04
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	92.2	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.7	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	11.	0.095	0.27	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 3 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-05

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.5	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.042	0.0015	0.022	mg/kg		8081A	10/17/13	1
4,4-DDT	0.0051	0.0020	0.022	mg/kg	J	8081A	10/17/13	1
Dieldrin	0.0097	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	68.4			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	84.2			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

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October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance

Sample ID : 3 D

Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-06

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.7	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.1	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	10.	0.095	0.27	mg/kg		6010B	10/24/13	1

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Pat Hoban
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Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 4 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-07

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.8	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.053	0.0015	0.022	mg/kg		8081A	10/17/13	1
4,4-DDT	0.0060	0.0020	0.022	mg/kg	J	8081A	10/17/13	1
Dieldrin	0.0047	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	67.0			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	87.1			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

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120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 4 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-08

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.7	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	4.7	0.32	1.1	mg/kg	01	6010B	10/23/13	1
Lead	12.	0.095	0.28	mg/kg	01	6010B	10/23/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 5 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-09

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	94.0	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.021	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.021	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.021	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.021	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.21	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
4,4-DDE	0.11	0.0015	0.021	mg/kg		8081A	10/17/13	1
4,4-DDT	0.017	0.0020	0.021	mg/kg	J	8081A	10/17/13	1
Dieldrin	0.017	0.0015	0.021	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.021	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.021	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.021	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.021	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.021	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.021	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.021	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.42	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	71.6			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	85.7			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

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Pat Hoban
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120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 5 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-10
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.1	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.0	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	10.	0.095	0.28	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 6 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-11

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.1	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.020	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
4,4-DDT	0.0031	0.0020	0.022	mg/kg	J	8081A	10/17/13	1
Dieldrin	0.0044	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	70.8			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	85.2			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

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REPORT OF ANALYSIS

Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 6 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-12
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.5	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.2	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	13.	0.095	0.28	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

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Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 7 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-13

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.2	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
4,4-DDT	U	0.0020	0.022	mg/kg		8081A	10/17/13	1
Dieldrin	0.0033	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	72.9			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	87.9			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

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October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 7 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-14
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.5	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	4.6	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	11.	0.095	0.28	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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Pat Hoban
Weber, Hayes & Associates - CA
120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 8 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-15

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.1	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/17/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/17/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
4,4-DDE	0.0018	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
4,4-DDT	U	0.0020	0.022	mg/kg		8081A	10/17/13	1
Dieldrin	0.0088	0.0015	0.022	mg/kg	J	8081A	10/17/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/17/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/17/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/17/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/17/13	1
Toxaphene	0.080	0.036	0.44	mg/kg	J	8081A	10/17/13	1
Pesticide Surrogates								
Decachlorobiphenyl	74.4			% Rec.		8081A	10/17/13	1
Tetrachloro-m-xylene	87.8			% Rec.		8081A	10/17/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 8 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-16

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.4	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	4.4	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	11.	0.095	0.28	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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Pat Hoban
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120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 9 (A, B, C, & D) 3-6IN
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-17

Site ID : 26-ACRE AG PARCEL

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.9	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/18/13	1
4,4-DDD	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
4,4-DDE	0.0095	0.0015	0.022	mg/kg	J	8081A	10/18/13	1
4,4-DDT	U	0.0020	0.022	mg/kg		8081A	10/18/13	1
Dieldrin	0.0057	0.0015	0.022	mg/kg	J	8081A	10/18/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/18/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/18/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/18/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/18/13	1
Pesticide Surrogates								
Decachlorobiphenyl	69.8			% Rec.		8081A	10/18/13	1
Tetrachloro-m-xylene	85.5			% Rec.		8081A	10/18/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

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RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 9 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-18
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	92.8	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	5.3	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	8.2	0.095	0.27	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

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MDL = Minimum Detection Limit = LOD = TRRP SDL

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Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance

ESC Sample # : L662820-19

Sample ID : 10 (A, B, C, & D) 3-6IN

Site ID : 26-ACRE AG PARCEL

Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.3	0.0333	0.100	%		2540 G-2	10/17/13	1
Pesticides								
Aldrin	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Alpha BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Beta BHC	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Delta BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Gamma BHC	U	0.0014	0.022	mg/kg		8081A	10/18/13	1
Chlordane	U	0.039	0.22	mg/kg		8081A	10/18/13	1
4,4-DDD	0.018	0.0016	0.022	mg/kg	J	8081A	10/18/13	1
4,4-DDE	0.10	0.0015	0.022	mg/kg		8081A	10/18/13	1
4,4-DDT	0.35	0.040	0.44	mg/kg	J	8081A	10/18/13	20
Dieldrin	0.024	0.0015	0.022	mg/kg		8081A	10/18/13	1
Endosulfan I	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Endosulfan II	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Endosulfan sulfate	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Endrin	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Endrin aldehyde	U	0.0013	0.022	mg/kg	L1	8081A	10/18/13	1
Endrin ketone	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Hexachlorobenzene	U	0.0018	0.022	mg/kg		8081A	10/18/13	1
Heptachlor	U	0.0015	0.022	mg/kg		8081A	10/18/13	1
Heptachlor epoxide	U	0.0016	0.022	mg/kg		8081A	10/18/13	1
Methoxychlor	U	0.0018	0.022	mg/kg		8081A	10/18/13	1
Toxaphene	U	0.036	0.44	mg/kg		8081A	10/18/13	1
Pesticide Surrogates								
Decachlorobiphenyl	69.6			% Rec.		8081A	10/18/13	1
Tetrachloro-m-xylene	84.2			% Rec.		8081A	10/18/13	1

Results listed are dry weight basis.

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MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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Pat Hoban
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120 Westgate Drive
Watsonville, CA 95076

October 24, 2013

Date Received : October 11, 2013
Description : Ag-Land Transition Clearance
Sample ID : 10 D
Collected By : Jacob Aman
Collection Date : 10/09/13 00:00

ESC Sample # : L662820-20
Site ID : 26-ACRE AG PARCEL
Project # : 2X342

Parameter	Dry Result	MDL	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.7	0.0333	0.100	%		2540 G-2	10/17/13	1
Arsenic	4.2	0.32	1.1	mg/kg		6010B	10/24/13	1
Lead	10.	0.095	0.27	mg/kg		6010B	10/24/13	1

Results listed are dry weight basis.

U = ND (Not Detected)

MDL = Minimum Detection Limit = LOD = TRRP SDL

RDL = Reported Detection Limit = LOQ = PQL = EQL = TRRP MQL

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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L662820-01	WG686897	SAMP	4,4-DDE	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-03	WG686897	SAMP	4,4-DDE	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-05	WG686897	SAMP	4,4-DDT	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-07	WG686897	SAMP	4,4-DDT	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-08	WG687255	SAMP	Arsenic	R2844418	01
	WG687255	SAMP	Lead	R2844418	01
	WG686897	SAMP	4,4-DDT	R2841706	J
L662820-09	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
	WG686897	SAMP	4,4-DDE	R2841706	J
L662820-11	WG686897	SAMP	4,4-DDT	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-13	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
	WG686897	SAMP	4,4-DDE	R2841706	J
L662820-15	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
	WG686897	SAMP	Toxaphene	R2841706	J
L662820-17	WG686897	SAMP	4,4-DDE	R2841706	J
	WG686897	SAMP	Dieldrin	R2841706	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1
L662820-19	WG686897	SAMP	4,4-DDD	R2841706	J
	WG686897	SAMP	4,4-DDT	R2841752	J
	WG686897	SAMP	Endrin aldehyde	R2841706	L1

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
L1	(ESC) The associated batch LCS exceeded the upper control limit, which indicates a high bias; The sample analyte was "not detected" and is therefore unaffected.
01	(ESC) The analyte failed both the method required serial dilution test and subsequent post-spike criteria. These failures indicate matrix interference.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

- Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.
- Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.
- Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.
- TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
10/24/13 at 14:37:42

TSR Signing Reports: 358
R5 - Desired TAT

Prep all soil samples for VOCs and GRO in terracore kits. QC2MODCN. Log all samples from
"Former Castle Vegitech" project under TANSEYWCA-WEBERHAYES.

Sample: L662820-01 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
refer to "10-0039" for HOLD samples
Sample: L662820-02 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-03 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-04 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-05 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-06 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-07 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-08 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-09 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-10 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-11 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-12 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-13 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-14 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-15 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-16 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-17 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-18 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-19 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36
Sample: L662820-20 Account: WEBHAYWCA Received: 10/11/13 09:00 Due Date: 10/18/13 00:00 RPT Date: 10/24/13 14:36

Date of Report: 02/24/2014

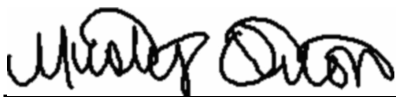
Jacob Aman

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Client Project: Tennant Ave ESA / 2X342
BCL Project: Misc.
BCL Work Order: 1402891
Invoice ID: B166206

Enclosed are the results of analyses for samples received by the laboratory on 2/6/2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Contact Person: Misty Orton
Client Service Rep



Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

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Chain of Custody and Cooler Receipt Form for 1402891 Page 2 of 2

BC LABORATORIES INC.		COOLER RECEIPT FORM		Rev. No. 15	07/01/13	Page <u>1</u> Of <u>1</u>
Submission #: <u>14-02891</u>						
SHIPPING INFORMATION Federal Express ☐ UPS ☐ Hand Delivery ☐ BC Lab Field Service ☒ Other ☐ (Specify) _____				SHIPPING CONTAINER Ice Chest ☒ None ☐ Box ☐ Other ☐ (Specify) _____		FREE LIQUID YES ☐ NO ☐
Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: _____						
Custody Seals Ice Chest ☐ Containers ☐ None ☒ Comments: _____ Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐						
All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐						
COC Received ☒ YES ☐ NO		Emissivity: <u>0.95</u> Container: <u>P+PE</u> Thermometer ID: <u>207</u> Temperature: (A) <u>2.7</u> °C / (C) <u>2.7</u> °C		Date/Time <u>2/6/14</u> ²³⁰⁰ Analyst Init <u>SAS</u>		

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	()	()	()	()	()	()	()	()	()	()
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE	A	A	A	A	A	A	A			
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										
Summa Canister										

Comments: No time given for samples.
 Sample Numbering Completed By: 17 Date/Time: 2/6/14 2355

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1402891-01	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SB-1	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-02	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SB-2	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-03	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SB-3	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-04	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	SB-4	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-05	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	BN-1	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-06	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	BN-2	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil
1402891-07	COC Number:	---	Receive Date:	02/06/2014 23:00
	Project Number:	---	Sampling Date:	02/05/2014 00:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	BN-3	Lab Matrix:	Solids
	Sampled By:	Jacob Aman	Sample Type:	Soil

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-01		Client Sample Name: SB-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081B	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081B	ND		1
4,4'-DDE	0.028	mg/kg	0.0050	0.00045	EPA-8081B	ND		2
4,4'-DDT	0.0054	mg/kg	0.00050	0.000031	EPA-8081B	ND		1
Dieldrin	0.0017	mg/kg	0.00050	0.000032	EPA-8081B	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081B	ND		1
TCMX (Surrogate)	87.0	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	81.6	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/12/14 12:10	VH1	GC-14	1.010	BXB0706
2	EPA-8081B	02/10/14	02/12/14 21:02	VH1	GC-14	10.101	BXB0706

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-01		Client Sample Name: SB-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	80.7	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	84.7	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 07:55	VH1	GC-14	10	BXB0713

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-02		Client Sample Name: SB-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081B	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081B	ND		1
4,4'-DDE	0.0083	mg/kg	0.0025	0.00022	EPA-8081B	ND		2
4,4'-DDT	0.0018	mg/kg	0.00050	0.000031	EPA-8081B	ND		1
Dieldrin	0.0014	mg/kg	0.00050	0.000032	EPA-8081B	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081B	ND		1
TCMX (Surrogate)	74.7	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	65.6	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/12/14 12:24	VH1	GC-14	1.017	BXB0706
2	EPA-8081B	02/10/14	02/12/14 21:16	VH1	GC-14	5.085	BXB0706

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-02		Client Sample Name: SB-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	84.0	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	89.3	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 08:09	VH1	GC-14	10	BXB0713

Weber, Hayes & Associates
120 Westgate Drive
Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-03		Client Sample Name: SB-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081B	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081B	ND		1
4,4'-DDE	0.0012	mg/kg	0.00050	0.000045	EPA-8081B	ND		1
4,4'-DDT	0.0010	mg/kg	0.00050	0.000031	EPA-8081B	ND		1
Dieldrin	0.0019	mg/kg	0.00050	0.000032	EPA-8081B	ND		1
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081B	ND		1
TCMX (Surrogate)	72.7	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	56.9	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/12/14 12:38	VH1	GC-14	1.010	BXB0706

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120 Westgate Drive
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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-03		Client Sample Name: SB-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	75.3	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	75.3	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 08:23	VH1	GC-14	10	BXB0713

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-04		Client Sample Name: SB-4, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081B	ND		1
4,4'-DDD	ND	mg/kg	0.00050	0.000063	EPA-8081B	ND		1
4,4'-DDE	0.0015	mg/kg	0.00050	0.000045	EPA-8081B	ND		1
4,4'-DDT	0.0010	mg/kg	0.00050	0.000031	EPA-8081B	ND		1
Dieldrin	0.0086	mg/kg	0.0025	0.00016	EPA-8081B	ND		2
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Endrin	ND	mg/kg	0.00050	0.000035	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081B	ND		1
TCMX (Surrogate)	72.7	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	57.8	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/12/14 12:52	VH1	GC-14	1.007	BXB0706
2	EPA-8081B	02/10/14	02/12/14 21:30	VH1	GC-14	5.034	BXB0706

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-04		Client Sample Name: SB-4, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	80.0	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	82.7	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 08:37	VH1	GC-14	10	BXB0713

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-05		Client Sample Name: BN-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.00050	0.000026	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.00050	0.00014	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.00050	0.00038	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.00050	0.000076	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.00050	0.00025	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.050	0.015	EPA-8081B	ND		1
4,4'-DDD	0.039	mg/kg	0.0050	0.00063	EPA-8081B	ND		2
4,4'-DDE	0.54	mg/kg	0.050	0.0045	EPA-8081B	ND		3
4,4'-DDT	0.12	mg/kg	0.025	0.0016	EPA-8081B	ND		4
Dieldrin	0.18	mg/kg	0.025	0.0016	EPA-8081B	ND		4
Endosulfan I	ND	mg/kg	0.00050	0.000086	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.00050	0.000066	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Endrin	0.012	mg/kg	0.0050	0.00035	EPA-8081B	ND		2
Endrin aldehyde	ND	mg/kg	0.00050	0.000061	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.00050	0.00026	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.00050	0.00015	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.00050	0.00013	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.050	0.0074	EPA-8081B	ND		1
TCMX (Surrogate)	85.7	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	97.9	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 14:09	VH1	GC-14	1.007	BXB0706
2	EPA-8081B	02/10/14	02/12/14 21:44	VH1	GC-14	10.067	BXB0706
3	EPA-8081B	02/10/14	02/12/14 22:12	VH1	GC-14	100.67	BXB0706
4	EPA-8081B	02/10/14	02/12/14 21:58	VH1	GC-14	50.336	BXB0706

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-05		Client Sample Name: BN-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	51.7	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	51.0	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/20/14	02/20/14 20:16	VH1	GC-14	10	BXB1474

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1402891-05		Client Sample Name: BN-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	20	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	10	4.6	Luft/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	10	1.4	Luft/FFP	ND		1
TPH - Diesel (FFP)	ND	mg/kg	10	1.2	Luft/FFP	ND		1
TPH - Fuel Oil	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	76	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	20	10	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	10	5.0	Luft/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	50	20	Luft/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	20	10	Luft/FFP	ND		1
TPH - Motor Oil	76	mg/kg	20	6.5	Luft/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	20	10	Luft/FFP	ND		1
TPH - Olive Oil	ND	mg/kg	20	10	Luft/FFP	ND		1
TPH - Diluent	ND	mg/kg	10	5.0	Luft/FFP	ND		1
Tetracosane (Surrogate)	79.7	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	02/10/14	02/12/14 11:10	MWB	GC-13	1.014	BXB0735

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Total Concentrations (TTLIC)

BCL Sample ID: 1402891-05		Client Sample Name: BN-1, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	49	mg/kg	0.50	0.050	EPA-6010B	ND		1
Lead	35	mg/kg	2.5	0.28	EPA-6010B	ND		1
Nickel	62	mg/kg	0.50	0.15	EPA-6010B	ND		1
Zinc	86	mg/kg	2.5	0.087	EPA-6010B	0.47		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 10:55	ARD	PE-OP2	0.935	BXB0591

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-06		Client Sample Name: BN-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0010	0.000052	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.0010	0.00028	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.0010	0.00076	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.0010	0.00015	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.0010	0.00050	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.10	0.030	EPA-8081B	ND		1
4,4'-DDD	0.055	mg/kg	0.010	0.0013	EPA-8081B	ND		2
4,4'-DDE	0.16	mg/kg	0.010	0.00090	EPA-8081B	ND		2
4,4'-DDT	0.15	mg/kg	0.010	0.00062	EPA-8081B	ND		2
Dieldrin	0.047	mg/kg	0.010	0.00064	EPA-8081B	ND		2
Endosulfan I	ND	mg/kg	0.0010	0.00017	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.0010	0.00013	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.0010	0.00026	EPA-8081B	ND		1
Endrin	0.016	mg/kg	0.0010	0.000070	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/kg	0.0010	0.00012	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.0010	0.00052	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.0010	0.00030	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.0010	0.00026	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.10	0.015	EPA-8081B	ND		1
TCMX (Surrogate)	87.4	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	83.2	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 14:23	VH1	GC-14	2	BXB0706
2	EPA-8081B	02/10/14	02/12/14 22:26	VH1	GC-14	20	BXB0706

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-06		Client Sample Name: BN-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	69.3	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	62.3	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/20/14	02/20/14 20:30	VH1	GC-14	10	BXB1474

Weber, Hayes & Associates
 120 Westgate Drive
 Watsonville, CA 95076

Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1402891-06		Client Sample Name: BN-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	99	39	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	99	39	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	39	9.9	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	39	9.9	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	20	9.1	Luft/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	20	2.8	Luft/FFP	ND		1
TPH - Diesel (FFP)	24	mg/kg	20	2.4	Luft/FFP	ND	A52	1
TPH - Fuel Oil	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	39	5.5	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	180	mg/kg	39	13	Luft/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	39	20	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	20	9.9	Luft/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	99	39	Luft/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	39	20	Luft/FFP	ND		1
TPH - Motor Oil	180	mg/kg	39	13	Luft/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	39	20	Luft/FFP	ND		1
TPH - Olive Oil	ND	mg/kg	39	20	Luft/FFP	ND		1
TPH - Diluent	ND	mg/kg	20	9.9	Luft/FFP	ND		1
Tetracosane (Surrogate)	81.0	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	02/10/14	02/12/14 11:33	MWB	GC-13	1.974	BXB0735

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120 Westgate Drive
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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Total Concentrations (TTLC)

BCL Sample ID: 1402891-06		Client Sample Name: BN-2, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Cadmium	ND	mg/kg	0.50	0.052	EPA-6010B	ND		1
Chromium	44	mg/kg	0.50	0.050	EPA-6010B	ND		1
Lead	29	mg/kg	2.5	0.28	EPA-6010B	ND		1
Nickel	59	mg/kg	0.50	0.15	EPA-6010B	ND		1
Zinc	94	mg/kg	2.5	0.087	EPA-6010B	0.49		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 10:56	ARD	PE-OP2	0.971	BXB0591

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

BCL Sample ID: 1402891-07		Client Sample Name: BN-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/kg	0.0027	0.00014	EPA-8081B	ND		1
alpha-BHC	ND	mg/kg	0.0027	0.00076	EPA-8081B	ND		1
beta-BHC	ND	mg/kg	0.0027	0.0021	EPA-8081B	ND		1
delta-BHC	ND	mg/kg	0.0027	0.00041	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/kg	0.0027	0.0014	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/kg	0.27	0.082	EPA-8081B	ND		1
4,4'-DDD	0.30	mg/kg	0.027	0.0034	EPA-8081B	ND		2
4,4'-DDE	1.0	mg/kg	0.14	0.012	EPA-8081B	ND		3
4,4'-DDT	1.1	mg/kg	0.14	0.0085	EPA-8081B	ND		3
Dieldrin	0.063	mg/kg	0.027	0.0017	EPA-8081B	ND		2
Endosulfan I	ND	mg/kg	0.0027	0.00047	EPA-8081B	ND		1
Endosulfan II	ND	mg/kg	0.0027	0.00036	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/kg	0.0027	0.00071	EPA-8081B	ND		1
Endrin	0.10	mg/kg	0.027	0.0019	EPA-8081B	ND		2
Endrin aldehyde	ND	mg/kg	0.0027	0.00033	EPA-8081B	ND		1
Heptachlor	ND	mg/kg	0.0027	0.0014	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/kg	0.0027	0.00082	EPA-8081B	ND		1
Methoxychlor	ND	mg/kg	0.0027	0.00071	EPA-8081B	ND		1
Toxaphene	ND	mg/kg	0.27	0.040	EPA-8081B	ND		1
TCMX (Surrogate)	54.9	%	20 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	50.8	%	20 - 140 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/10/14	02/11/14 17:25	VH1	GC-14	5.455	BXB0706
2	EPA-8081B	02/10/14	02/13/14 02:24	VH1	GC-14	54.545	BXB0706
3	EPA-8081B	02/10/14	02/13/14 02:38	VH1	GC-14	272.73	BXB0706

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

BCL Sample ID: 1402891-07		Client Sample Name: BN-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Aldrin	ND	mg/L	0.000050	0.000013	EPA-8081B	ND		1
alpha-BHC	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
beta-BHC	ND	mg/L	0.000050	0.000021	EPA-8081B	ND		1
delta-BHC	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
gamma-BHC (Lindane)	ND	mg/L	0.000050	0.0000094	EPA-8081B	ND		1
Chlordane (Technical)	ND	mg/L	0.0050	0.0038	EPA-8081B	ND		1
4,4'-DDD	ND	mg/L	0.000050	0.000017	EPA-8081B	ND		1
4,4'-DDE	ND	mg/L	0.000050	0.000019	EPA-8081B	ND		1
4,4'-DDT	ND	mg/L	0.000050	0.0000076	EPA-8081B	ND		1
Dieldrin	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Endosulfan I	ND	mg/L	0.000050	0.000016	EPA-8081B	ND		1
Endosulfan II	ND	mg/L	0.000050	0.000014	EPA-8081B	ND		1
Endosulfan sulfate	ND	mg/L	0.000050	0.000026	EPA-8081B	ND		1
Endrin	ND	mg/L	0.000050	0.0000082	EPA-8081B	ND		1
Endrin aldehyde	ND	mg/L	0.00010	0.000032	EPA-8081B	ND		1
Heptachlor	ND	mg/L	0.000050	0.000012	EPA-8081B	ND		1
Heptachlor epoxide	ND	mg/L	0.000050	0.0000099	EPA-8081B	ND		1
Methoxychlor	ND	mg/L	0.000050	0.000011	EPA-8081B	ND		1
Toxaphene	ND	mg/L	0.020	0.0042	EPA-8081B	ND		1
TCMX (Surrogate)	74.7	%	40 - 140 (LCL - UCL)		EPA-8081B			1
Decachlorobiphenyl (Surrogate)	69.3	%	40 - 120 (LCL - UCL)		EPA-8081B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8081B	02/20/14	02/20/14 20:44	VH1	GC-14	10	BXB1474

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

BCL Sample ID: 1402891-07		Client Sample Name: BN-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
TPH - Light Naptha	ND	mg/kg	270	110	Luft/FFP	ND		1
TPH - Aviation Gas	ND	mg/kg	270	110	Luft/FFP	ND		1
TPH - Stoddard Solvent	ND	mg/kg	110	27	Luft/FFP	ND		1
TPH - Heavy Naptha	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Gasoline	ND	mg/kg	110	27	Luft/FFP	ND		1
TPH - Jet Fuel (JP4)	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Jet Fuel (JP5)	ND	mg/kg	55	25	Luft/FFP	ND		1
TPH - Jet Fuel (JP6)	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Jet Fuel (JP8)	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Kerosene	ND	mg/kg	55	7.6	Luft/FFP	ND		1
TPH - Diesel (FFP)	37	mg/kg	55	6.5	Luft/FFP	ND	J,A52	1
TPH - Fuel Oil	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Crude Oil	ND	mg/kg	110	15	Luft/FFP	ND		1
TPH - Hydraulic Oil / Motor Oil	750	mg/kg	110	35	Luft/FFP	ND		1
TPH - Waste Oil	ND	mg/kg	110	55	Luft/FFP	ND		1
TPH - WD-40	ND	mg/kg	55	27	Luft/FFP	ND		1
TPH - Mineral Oil	ND	mg/kg	270	110	Luft/FFP	ND		1
TPH - Mineral Spirit	ND	mg/kg	110	55	Luft/FFP	ND		1
TPH - Motor Oil	750	mg/kg	110	35	Luft/FFP	ND		1
TPH - Lube Oil	ND	mg/kg	110	55	Luft/FFP	ND		1
TPH - Olive Oil	ND	mg/kg	110	55	Luft/FFP	ND		1
TPH - Diluent	ND	mg/kg	55	27	Luft/FFP	ND		1
Tetracosane (Surrogate)	64.1	%	20 - 145 (LCL - UCL)		Luft/FFP			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	Luft/FFP	02/10/14	02/12/14 11:55	MWB	GC-13	5.455	BXB0735

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Total Concentrations (TTLIC)

BCL Sample ID: 1402891-07		Client Sample Name: BN-3, 2/5/2014 12:00:00AM, Jacob Aman						
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Cadmium	0.080	mg/kg	0.50	0.052	EPA-6010B	ND	J	1
Chromium	54	mg/kg	0.50	0.050	EPA-6010B	ND		1
Lead	270	mg/kg	2.5	0.28	EPA-6010B	ND		1
Nickel	70	mg/kg	0.50	0.15	EPA-6010B	ND		1
Zinc	160	mg/kg	2.5	0.087	EPA-6010B	0.49		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/10/14	02/11/14 10:58	ARD	PE-OP2	0.962	BXB0591

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0706						
Aldrin	BXB0706-BLK1	ND	mg/kg	0.00050	0.000026	
alpha-BHC	BXB0706-BLK1	ND	mg/kg	0.00050	0.00014	
beta-BHC	BXB0706-BLK1	ND	mg/kg	0.00050	0.00038	
delta-BHC	BXB0706-BLK1	ND	mg/kg	0.00050	0.000076	
gamma-BHC (Lindane)	BXB0706-BLK1	ND	mg/kg	0.00050	0.00025	
Chlordane (Technical)	BXB0706-BLK1	ND	mg/kg	0.050	0.015	
4,4'-DDD	BXB0706-BLK1	ND	mg/kg	0.00050	0.000063	
4,4'-DDE	BXB0706-BLK1	ND	mg/kg	0.00050	0.000045	
4,4'-DDT	BXB0706-BLK1	ND	mg/kg	0.00050	0.000031	
Dieldrin	BXB0706-BLK1	ND	mg/kg	0.00050	0.000032	
Endosulfan I	BXB0706-BLK1	ND	mg/kg	0.00050	0.000086	
Endosulfan II	BXB0706-BLK1	ND	mg/kg	0.00050	0.000066	
Endosulfan sulfate	BXB0706-BLK1	ND	mg/kg	0.00050	0.00013	
Endrin	BXB0706-BLK1	ND	mg/kg	0.00050	0.000035	
Endrin aldehyde	BXB0706-BLK1	ND	mg/kg	0.00050	0.000061	
Heptachlor	BXB0706-BLK1	ND	mg/kg	0.00050	0.00026	
Heptachlor epoxide	BXB0706-BLK1	ND	mg/kg	0.00050	0.00015	
Methoxychlor	BXB0706-BLK1	ND	mg/kg	0.00050	0.00013	
Toxaphene	BXB0706-BLK1	ND	mg/kg	0.050	0.0074	
TCMX (Surrogate)	BXB0706-BLK1	98.4	%	20 - 140 (LCL - UCL)		
Decachlorobiphenyl (Surrogate)	BXB0706-BLK1	100	%	20 - 140 (LCL - UCL)		

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	Quals
QC Batch ID: BXB0706										
Aldrin	BXB0706-BS1	LCS	0.0049551	0.0049180	mg/kg	101		70 - 130		
gamma-BHC (Lindane)	BXB0706-BS1	LCS	0.0048669	0.0049180	mg/kg	99.0		60 - 140		
4,4'-DDT	BXB0706-BS1	LCS	0.0052308	0.0049180	mg/kg	106		60 - 140		
Dieldrin	BXB0706-BS1	LCS	0.0051023	0.0049180	mg/kg	104		70 - 130		
Endrin	BXB0706-BS1	LCS	0.0050541	0.0049180	mg/kg	103		60 - 140		
Heptachlor	BXB0706-BS1	LCS	0.0049856	0.0049180	mg/kg	101		40 - 140		
TCMX (Surrogate)	BXB0706-BS1	LCS	0.0091030	0.0098361	mg/kg	92.5		20 - 140		
Decachlorobiphenyl (Surrogate)	BXB0706-BS1	LCS	0.046742	0.049180	mg/kg	95.0		20 - 140		

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B)

Quality Control Report - Precision & Accuracy

									Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BXB0706		Used client sample: N									
Aldrin	MS	1325870-75	ND	0.0051929	0.0050505	mg/kg		103		30 - 140	
	MSD	1325870-75	ND	0.0049669	0.0050676	mg/kg	4.4	98.0	30	30 - 140	
gamma-BHC (Lindane)	MS	1325870-75	ND	0.0050017	0.0050505	mg/kg		99.0		30 - 140	
	MSD	1325870-75	ND	0.0049483	0.0050676	mg/kg	1.1	97.6	30	30 - 140	
4,4'-DDT	MS	1325870-75	ND	0.0053869	0.0050505	mg/kg		107		30 - 140	
	MSD	1325870-75	ND	0.0052591	0.0050676	mg/kg	2.4	104	30	30 - 140	
Dieldrin	MS	1325870-75	ND	0.0052293	0.0050505	mg/kg		104		40 - 140	
	MSD	1325870-75	ND	0.0052294	0.0050676	mg/kg	0.0	103	30	40 - 140	
Endrin	MS	1325870-75	ND	0.0052266	0.0050505	mg/kg		103		30 - 150	
	MSD	1325870-75	ND	0.0049838	0.0050676	mg/kg	4.8	98.3	30	30 - 150	
Heptachlor	MS	1325870-75	ND	0.0054081	0.0050505	mg/kg		107		70 - 130	
	MSD	1325870-75	ND	0.0048422	0.0050676	mg/kg	11.0	95.6	30	70 - 130	
TCMX (Surrogate)	MS	1325870-75	ND	0.0094411	0.010101	mg/kg		93.5		20 - 140	
	MSD	1325870-75	ND	0.0094983	0.010135	mg/kg	0.6	93.7		20 - 140	
Decachlorobiphenyl (Surrogate)	MS	1325870-75	ND	0.047417	0.050505	mg/kg		93.9		20 - 140	
	MSD	1325870-75	ND	0.046315	0.050676	mg/kg	2.4	91.4		20 - 140	

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0713						
Aldrin	BXB0713-BLK1	ND	mg/L	0.000050	0.000013	
alpha-BHC	BXB0713-BLK1	ND	mg/L	0.000050	0.000011	
beta-BHC	BXB0713-BLK1	ND	mg/L	0.000050	0.000021	
delta-BHC	BXB0713-BLK1	ND	mg/L	0.000050	0.000014	
gamma-BHC (Lindane)	BXB0713-BLK1	ND	mg/L	0.000050	0.0000094	
Chlordane (Technical)	BXB0713-BLK1	ND	mg/L	0.0050	0.0038	
4,4'-DDD	BXB0713-BLK1	ND	mg/L	0.000050	0.000017	
4,4'-DDE	BXB0713-BLK1	ND	mg/L	0.000050	0.000019	
4,4'-DDT	BXB0713-BLK1	ND	mg/L	0.000050	0.0000076	
Dieldrin	BXB0713-BLK1	ND	mg/L	0.000050	0.000012	
Endosulfan I	BXB0713-BLK1	ND	mg/L	0.000050	0.000016	
Endosulfan II	BXB0713-BLK1	ND	mg/L	0.000050	0.000014	
Endosulfan sulfate	BXB0713-BLK1	ND	mg/L	0.000050	0.000026	
Endrin	BXB0713-BLK1	ND	mg/L	0.000050	0.0000082	
Endrin aldehyde	BXB0713-BLK1	ND	mg/L	0.00010	0.000032	
Heptachlor	BXB0713-BLK1	ND	mg/L	0.000050	0.000012	
Heptachlor epoxide	BXB0713-BLK1	ND	mg/L	0.000050	0.0000099	
Methoxychlor	BXB0713-BLK1	ND	mg/L	0.000050	0.000011	
Toxaphene	BXB0713-BLK1	ND	mg/L	0.020	0.0042	
TCMX (Surrogate)	BXB0713-BLK1	79.2	%	40 - 140 (LCL - UCL)		
Decachlorobiphenyl (Surrogate)	BXB0713-BLK1	85.2	%	40 - 120 (LCL - UCL)		

QC Batch ID: BXB1474						
Aldrin	BXB1474-BLK1	ND	mg/L	0.000050	0.000013	
alpha-BHC	BXB1474-BLK1	ND	mg/L	0.000050	0.000011	
beta-BHC	BXB1474-BLK1	ND	mg/L	0.000050	0.000021	
delta-BHC	BXB1474-BLK1	ND	mg/L	0.000050	0.000014	
gamma-BHC (Lindane)	BXB1474-BLK1	ND	mg/L	0.000050	0.0000094	
Chlordane (Technical)	BXB1474-BLK1	ND	mg/L	0.0050	0.0038	
4,4'-DDD	BXB1474-BLK1	ND	mg/L	0.000050	0.000017	
4,4'-DDE	BXB1474-BLK1	ND	mg/L	0.000050	0.000019	
4,4'-DDT	BXB1474-BLK1	ND	mg/L	0.000050	0.0000076	
Dieldrin	BXB1474-BLK1	ND	mg/L	0.000050	0.000012	
Endosulfan I	BXB1474-BLK1	ND	mg/L	0.000050	0.000016	

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB1474						
Endosulfan II	BXB1474-BLK1	ND	mg/L	0.000050	0.000014	
Endosulfan sulfate	BXB1474-BLK1	ND	mg/L	0.000050	0.000026	
Endrin	BXB1474-BLK1	ND	mg/L	0.000050	0.000082	
Endrin aldehyde	BXB1474-BLK1	ND	mg/L	0.00010	0.000032	
Heptachlor	BXB1474-BLK1	ND	mg/L	0.000050	0.000012	
Heptachlor epoxide	BXB1474-BLK1	ND	mg/L	0.000050	0.000099	
Methoxychlor	BXB1474-BLK1	ND	mg/L	0.000050	0.000011	
Toxaphene	BXB1474-BLK1	ND	mg/L	0.020	0.0042	
TCMX (Surrogate)	BXB1474-BLK1	73.7	%	40 - 140 (LCL - UCL)		
Decachlorobiphenyl (Surrogate)	BXB1474-BLK1	81.2	%	40 - 120 (LCL - UCL)		

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Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	Quals
QC Batch ID: BXB0713										
Aldrin	BXB0713-BS1	LCS	0.00012913	0.00015000	mg/L	86.1		60 - 130		
gamma-BHC (Lindane)	BXB0713-BS1	LCS	0.00014073	0.00015000	mg/L	93.8		60 - 130		
4,4'-DDT	BXB0713-BS1	LCS	0.00015663	0.00015000	mg/L	104		60 - 130		
Dieldrin	BXB0713-BS1	LCS	0.00015139	0.00015000	mg/L	101		60 - 130		
Endrin	BXB0713-BS1	LCS	0.00016110	0.00015000	mg/L	107		60 - 130		
Heptachlor	BXB0713-BS1	LCS	0.00013400	0.00015000	mg/L	89.3		60 - 130		
TCMX (Surrogate)	BXB0713-BS1	LCS	0.00027159	0.00030000	mg/L	90.5		40 - 140		
Decachlorobiphenyl (Surrogate)	BXB0713-BS1	LCS	0.0013601	0.0015000	mg/L	90.7		40 - 120		
QC Batch ID: BXB1474										
Aldrin	BXB1474-BS1	LCS	0.00010644	0.00015000	mg/L	71.0		60 - 130		
gamma-BHC (Lindane)	BXB1474-BS1	LCS	0.00011740	0.00015000	mg/L	78.3		60 - 130		
4,4'-DDT	BXB1474-BS1	LCS	0.00013825	0.00015000	mg/L	92.2		60 - 130		
Dieldrin	BXB1474-BS1	LCS	0.00012899	0.00015000	mg/L	86.0		60 - 130		
Endrin	BXB1474-BS1	LCS	0.00012694	0.00015000	mg/L	84.6		60 - 130		
Heptachlor	BXB1474-BS1	LCS	0.00011046	0.00015000	mg/L	73.6		60 - 130		
TCMX (Surrogate)	BXB1474-BS1	LCS	0.00021687	0.00030000	mg/L	72.3		40 - 140		
Decachlorobiphenyl (Surrogate)	BXB1474-BS1	LCS	0.0011441	0.0015000	mg/L	76.3		40 - 120		

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Organochlorine Pesticides (EPA Method 8081B) (STLC Extract)

Quality Control Report - Precision & Accuracy

									Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BXB0713		Used client sample: Y - Description: SB-2, 02/05/2014 00:00									
Aldrin	MS	1402891-02	ND	0.0011953	0.0015000	mg/L		79.7		50 - 130	
	MSD	1402891-02	ND	0.0011834	0.0015000	mg/L	1.0	78.9	30	50 - 130	
gamma-BHC (Lindane)	MS	1402891-02	ND	0.0013423	0.0015000	mg/L		89.5		60 - 130	
	MSD	1402891-02	ND	0.0013396	0.0015000	mg/L	0.2	89.3	30	60 - 130	
4,4'-DDT	MS	1402891-02	ND	0.0015138	0.0015000	mg/L		101		60 - 130	
	MSD	1402891-02	ND	0.0014856	0.0015000	mg/L	1.9	99.0	30	60 - 130	
Dieldrin	MS	1402891-02	ND	0.0014751	0.0015000	mg/L		98.3		65 - 130	
	MSD	1402891-02	ND	0.0014388	0.0015000	mg/L	2.5	95.9	30	65 - 130	
Endrin	MS	1402891-02	ND	0.0015983	0.0015000	mg/L		107		60 - 130	
	MSD	1402891-02	ND	0.0015152	0.0015000	mg/L	5.3	101	30	60 - 130	
Heptachlor	MS	1402891-02	ND	0.0012526	0.0015000	mg/L		83.5		50 - 130	
	MSD	1402891-02	ND	0.0012506	0.0015000	mg/L	0.2	83.4	30	50 - 130	
TCMX (Surrogate)	MS	1402891-02	ND	0.0024402	0.0030000	mg/L		81.3		40 - 140	
	MSD	1402891-02	ND	0.0024599	0.0030000	mg/L	0.8	82.0		40 - 140	
Decachlorobiphenyl (Surrogate)	MS	1402891-02	ND	0.012566	0.015000	mg/L		83.8		40 - 120	
	MSD	1402891-02	ND	0.012684	0.015000	mg/L	0.9	84.6		40 - 120	
QC Batch ID: BXB1474		Used client sample: Y - Description: BN-2, 02/05/2014 00:00									
Aldrin	MS	1402891-06	ND	0.0011478	0.0015000	mg/L		76.5		50 - 130	
	MSD	1402891-06	ND	0.0011983	0.0015000	mg/L	4.3	79.9	30	50 - 130	
gamma-BHC (Lindane)	MS	1402891-06	ND	0.0012376	0.0015000	mg/L		82.5		60 - 130	
	MSD	1402891-06	ND	0.0011955	0.0015000	mg/L	3.5	79.7	30	60 - 130	
4,4'-DDT	MS	1402891-06	ND	0.0013973	0.0015000	mg/L		93.2		60 - 130	
	MSD	1402891-06	ND	0.0013753	0.0015000	mg/L	1.6	91.7	30	60 - 130	
Dieldrin	MS	1402891-06	ND	0.0013527	0.0015000	mg/L		90.2		65 - 130	
	MSD	1402891-06	ND	0.0012735	0.0015000	mg/L	6.0	84.9	30	65 - 130	
Endrin	MS	1402891-06	ND	0.0013021	0.0015000	mg/L		86.8		60 - 130	
	MSD	1402891-06	ND	0.0012521	0.0015000	mg/L	3.9	83.5	30	60 - 130	
Heptachlor	MS	1402891-06	ND	0.0012214	0.0015000	mg/L		81.4		50 - 130	
	MSD	1402891-06	ND	0.0012840	0.0015000	mg/L	5.0	85.6	30	50 - 130	
TCMX (Surrogate)	MS	1402891-06	ND	0.0023035	0.0030000	mg/L		76.8		40 - 140	
	MSD	1402891-06	ND	0.0023159	0.0030000	mg/L	0.5	77.2		40 - 140	
Decachlorobiphenyl (Surrogate)	MS	1402891-06	ND	0.0098414	0.015000	mg/L		65.6		40 - 120	
	MSD	1402891-06	ND	0.0094675	0.015000	mg/L	3.9	63.1		40 - 120	

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Reported: 02/24/2014 11:56
Project: Misc.
Project Number: Tennant Ave ESA / 2X342
Project Manager: Jacob Aman

Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0735						
TPH - Light Naptha	BXB0735-BLK1	ND	mg/kg	50	20	
TPH - Aviation Gas	BXB0735-BLK1	ND	mg/kg	50	20	
TPH - Stoddard Solvent	BXB0735-BLK1	ND	mg/kg	20	5.0	
TPH - Heavy Naptha	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Gasoline	BXB0735-BLK1	ND	mg/kg	20	5.0	
TPH - Jet Fuel (JP4)	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Jet Fuel (JP5)	BXB0735-BLK1	ND	mg/kg	10	4.6	
TPH - Jet Fuel (JP6)	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Jet Fuel (JP8)	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Kerosene	BXB0735-BLK1	ND	mg/kg	10	1.4	
TPH - Diesel (FFP)	BXB0735-BLK1	ND	mg/kg	10	1.2	
TPH - Fuel Oil	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Crude Oil	BXB0735-BLK1	ND	mg/kg	20	2.8	
TPH - Hydraulic Oil / Motor Oil	BXB0735-BLK1	ND	mg/kg	20	6.5	
TPH - Waste Oil	BXB0735-BLK1	ND	mg/kg	20	10	
TPH - WD-40	BXB0735-BLK1	ND	mg/kg	10	5.0	
TPH - Mineral Oil	BXB0735-BLK1	ND	mg/kg	50	20	
TPH - Mineral Spirit	BXB0735-BLK1	ND	mg/kg	20	10	
TPH - Motor Oil	BXB0735-BLK1	ND	mg/kg	20	6.5	
TPH - Lube Oil	BXB0735-BLK1	ND	mg/kg	20	10	
TPH - Olive Oil	BXB0735-BLK1	ND	mg/kg	20	10	
TPH - Diluent	BXB0735-BLK1	ND	mg/kg	10	5.0	
Tetracosane (Surrogate)	BXB0735-BLK1	84.6	%	20 - 145 (LCL - UCL)		

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Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BXB0735										
TPH - Diesel (FFP)	BXB0735-BS1	LCS	54.495	84.459	mg/kg	64.5		64 - 124		
Tetracosane (Surrogate)	BXB0735-BS1	LCS	2.8022	3.3784	mg/kg	82.9		20 - 145		

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Purgeable Aromatics and Total Petroleum Hydrocarbons (Silica Gel Treated)

Quality Control Report - Precision & Accuracy

									Control Limits		
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BXB0735		Used client sample: N									
TPH - Diesel (FFP)	MS	1400811-48	ND	54.504	82.781	mg/kg		65.8		52 - 131	
	MSD	1400811-48	ND	54.954	83.612	mg/kg	0.8	65.7	30	52 - 131	
Tetracosane (Surrogate)	MS	1400811-48	ND	2.9318	3.3113	mg/kg		88.5		20 - 145	
	MSD	1400811-48	ND	2.9577	3.3445	mg/kg	0.9	88.4		20 - 145	

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Project: Misc.
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Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BXB0591						
Cadmium	BXB0591-BLK1	ND	mg/kg	0.50	0.052	
Chromium	BXB0591-BLK1	ND	mg/kg	0.50	0.050	
Lead	BXB0591-BLK1	ND	mg/kg	2.5	0.28	
Nickel	BXB0591-BLK1	ND	mg/kg	0.50	0.15	
Zinc	BXB0591-BLK1	0.50713	mg/kg	2.5	0.087	J

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Total Concentrations (TTLC)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	
QC Batch ID: BXB0591										
Cadmium	BXB0591-BS1	LCS	9.8327	10.000	mg/kg	98.3		75 - 125		
Chromium	BXB0591-BS1	LCS	100.33	100.00	mg/kg	100		75 - 125		
Lead	BXB0591-BS1	LCS	103.33	100.00	mg/kg	103		75 - 125		
Nickel	BXB0591-BS1	LCS	103.78	100.00	mg/kg	104		75 - 125		
Zinc	BXB0591-BS1	LCS	102.60	100.00	mg/kg	103		75 - 125		

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Total Concentrations (TTLC)

Quality Control Report - Precision & Accuracy

										Control Limits	
Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery	Lab Quals
QC Batch ID: BXB0591		Used client sample: N									
Cadmium	DUP	1402162-01	ND	ND		mg/kg			20		
	MS	1402162-01	ND	9.3431	9.8039	mg/kg		95.3		75 - 125	
	MSD	1402162-01	ND	9.1295	9.8039	mg/kg	2.3	93.1	20	75 - 125	
Chromium	DUP	1402162-01	10.027	10.138		mg/kg	1.1		20		
	MS	1402162-01	10.027	102.99	98.039	mg/kg		94.8		75 - 125	
	MSD	1402162-01	10.027	101.62	98.039	mg/kg	1.3	93.4	20	75 - 125	
Lead	DUP	1402162-01	10.553	10.751		mg/kg	1.9		20		
	MS	1402162-01	10.553	108.55	98.039	mg/kg		100		75 - 125	
	MSD	1402162-01	10.553	105.59	98.039	mg/kg	2.8	96.9	20	75 - 125	
Nickel	DUP	1402162-01	3.6427	3.6443		mg/kg	0.0		20		
	MS	1402162-01	3.6427	98.578	98.039	mg/kg		96.8		75 - 125	
	MSD	1402162-01	3.6427	97.999	98.039	mg/kg	0.6	96.2	20	75 - 125	
Zinc	DUP	1402162-01	25.241	25.224		mg/kg	0.1		20		
	MS	1402162-01	25.241	120.71	98.039	mg/kg		97.4		75 - 125	
	MSD	1402162-01	25.241	119.11	98.039	mg/kg	1.3	95.7	20	75 - 125	

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Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A52	Chromatogram not typical of diesel.